

digital

DD11-C

Engineering Drawings

Digital Equipment Corporation

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DRAWING DIRECTORY

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CUSTOMER PRINT SET INDEX

SEQUENCE

DRAWING DIRECTORY (DD11-C) B-DD-DD11-C
 BACK PLANE ASSY (DD11-CK) D-IA-7011528-0-0
 POWER HARNESS (BALL-K,BALL-L) D-IA-7011127-0-0
 BACK PLANE ASSY (DD11-CF) D-IA-7012445-0-0
 POWER HARNESS (BALL-F,BALL-P) E-IA-7011128-0-0
 MODULE UTILIZATION (DD11-C) D-MU-DD11-C-2
 CIRCUIT SCHEMATIC (DD11-C) D-CS-5411560-0-1
 WIRE LIST (COMPLETE) K-WL-DD11-C-1

SEQUENCE

THIS IS PRINT SET

UNIT VARIATIONS

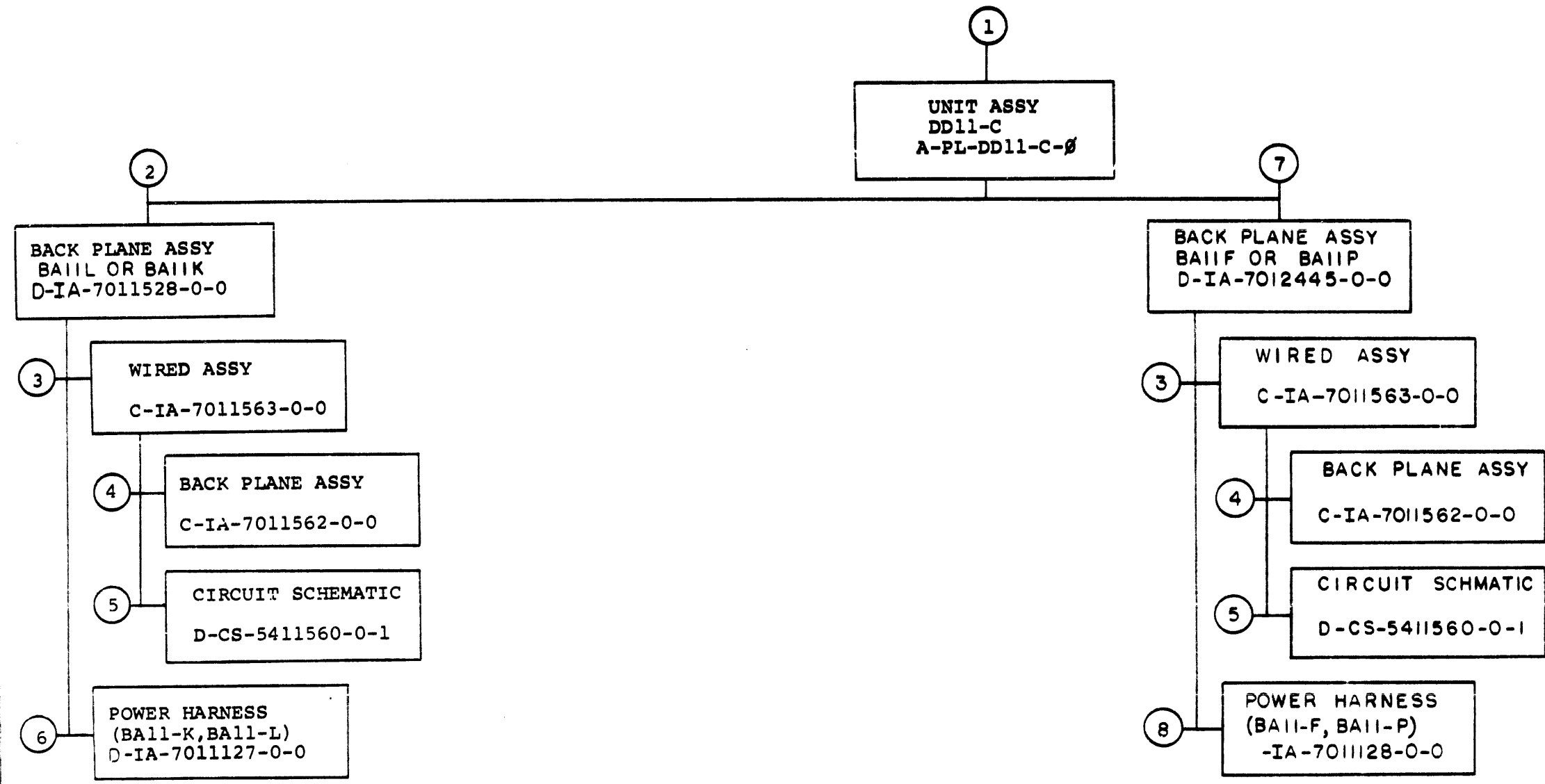
VAR	TITLE	PRINT SET		
		1	2	3
DD11-CK	BACK PLANE ASSY (BALL-L/BALL-K)	X		
DD11-CF	BACK PLANE ASSY (BALL-F/BALL-P)	X		

NOTE: DD11CK assemblies are electrically incompatible with DD11-CF assemblies. A DD11-CK will work in BALL-L and BALL-K boxes. A DD11-CF will work in BALL-F and BALL-P boxes only.

REVISIONS	DATE	CHG. NO.	REV
	5-76	DD11C-2	A
	5-77	DD11C-3	B

USED ON OPTION/MODEL	DRM. D. HEALY	DATE 6/25/75	TITLE DRAWING DIRECTORY DD11-C	
	CHR'D. D. HEALY	DATE 6/25/75		
	PROJ ENG. R. BARRY	DATE 7/30/75		
	PROD. R.K.	DATE 8/18/75		
	FIELD SERV.	DATE		
SHEET 1 OF 3		SIZE CODE B DD	NUMBER DD11-C	REV B
		DIST		

EN 01062-1-16-R07/11/75



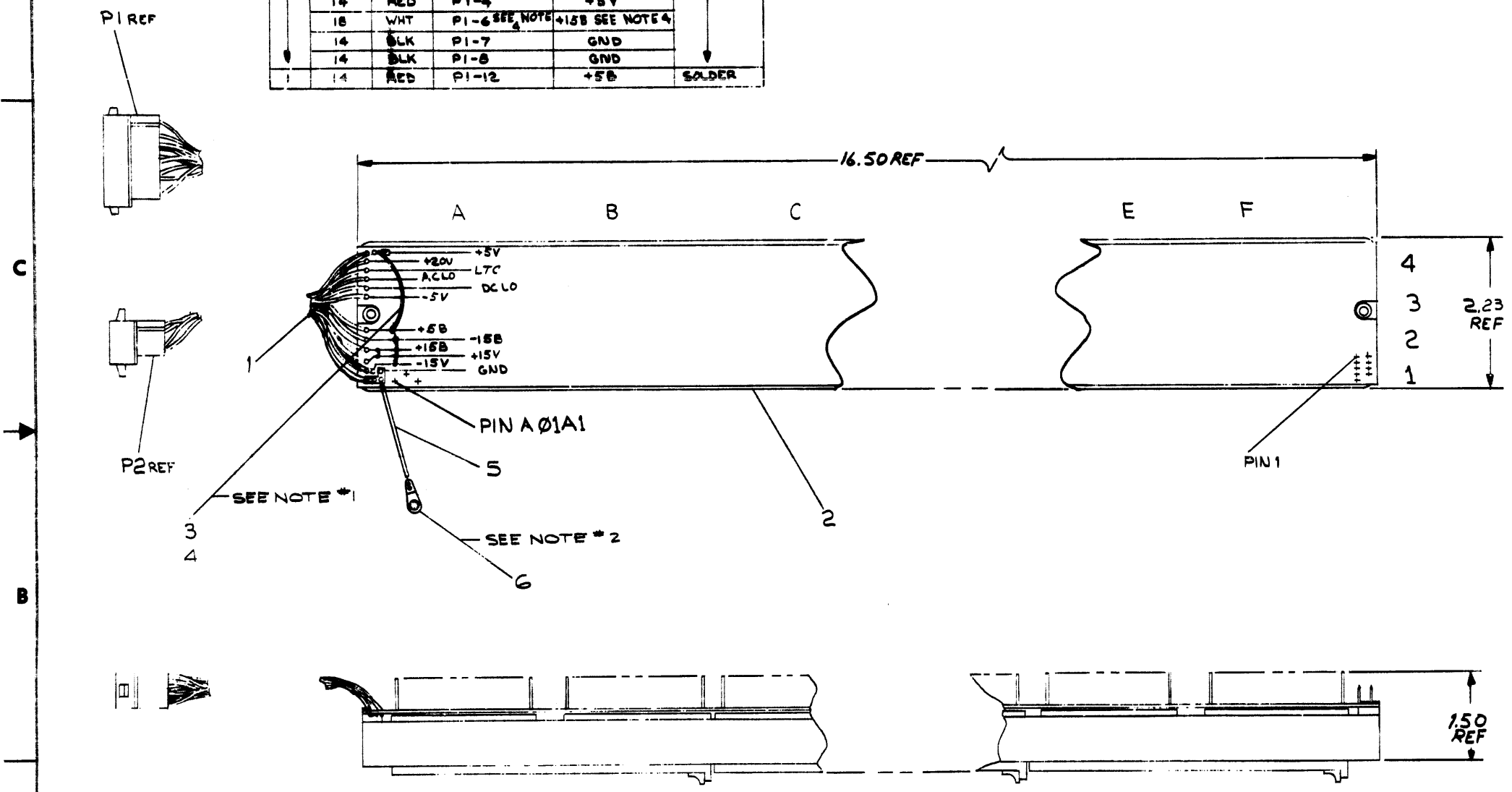
TITLE	SHEET	OF	SIZE	CODE	NUMBER	REV
DRAWING DIRECTORY DD11-C	2	3	B	DD	DD11-C	B

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ITEM NO	DESCRIPTION	FROM	TO	WITH	
AWG	COLOR	CONNECTION	CONNECTION		
1	18	BLK	P2-1	GND	SOLDER
	18	BRN	P2-2	LTC	
	18	VIO	P2-3	DC LO	
	18	YEL	P2-4	AC LO	
	14	RED	P1-1	+5V	
	18	GRY	P1-2	+15	
	18	ORN	P1-3	+20V	
	14	RED	P1-4	+5V	
	18	WHT	P1-6 SEE NOTE 4	+15B SEE NOTE 4	
	14	BLK	P1-7	GND	
	14	BLK	P1-8	GND	
	14	RED	P1-12	+5B	SOLDER

ITEM NO	DESCRIPTION	FROM	TO	WITH	
AWG	COLOR	CONNECTION	CONNECTION		
1	18	BLU	P1-13	-15V	SOLDER
1	18	BRN	P1-14	-5V	
1	18	GRN	P1-15	-15B	
		SEE NOTE 4	SEE NOTE 4		
1	18	GRN	P1-6	+15B	
		SEE NOTE 5	SEE NOTE 5		
1	18	WHT	P1-15	-15B	SOLDER
		SEE NOTE 5	SEE NOTE 5		

- NOTES:
1. WHEN THE DD11-CK'S USED WITH A BAIL-K EXPANSION BOX WITHOUT BATTERY BACK-UP (I.E., NO 785 NOR 7850), INSTALL THE THREE JUMPERS SHOWN:
 1) -15 TO -15B
 2) +15 TO +15B
 3) +5 TO +5B (SEE NOTE 3)
 USE #22 SHIELDED BUS WIRE ON SIDES. THIS WILL PROVIDE POWER TO THE MOS MEMORY VOLTAGE RAILS.
 2. INSTALL SHAKEPROOF SOLDER LUG (ITEM #6) UNDER THE SYSTEM UNIT MOUNTING SCREW TO PROVIDE A LOGIC GROUND TO CHASSIS GROUND CONNECTION.
 3. BAIL-K'S THAT USE THE 5410864-YA-1 POWER DISTRIBUTION (I.E., 11/34A, 11/34 WITH FP11-AU, AND SOME 11/04'S) AND HAVE MORE THAN ONE DD11-CK (OR AN ADDITIONAL DD11-DK) CAN ONLY HAVE THE +5 TO +5B JUMPER IN ONE OF THE BACK PANELS. IF TWO OF THE BACK PANELS HAVE THE JUMPER IN, THE +5V REGULATORS MAY BE CONNECTED TOGETHER. TYPICALLY THIS JUMPER IS IN THE FIRST BACK PANEL, BUT IT MAY BE PLACED IN ONE OF THE OTHER BACK PANELS IF DEEMED NECESSARY FOR POWER REQUIREMENTS.
 4. WHEN USING REV. C HARNESS USE THESE POINT-TO-POINT CONNECTIONS.
 5. WHEN USING REV B OR EARLIER HARNESS, USE THESE POINT-TO-POINT CONNECTIONS.



REV.	CHG.	BY	DATE
A	1	R. BARRY	1-13-76
B	1	R. BARRY	1-13-76
C	1	R. BARRY	1-13-76
D	1	R. BARRY	1-13-76
E	1	R. BARRY	1-13-76

QTY	DESCRIPTION	DWG PART NO.	ITEM NO.
1	SHAKEPROOF SOLD. LUG	9008150	6
2	WIRE #18AWG STRD (BLK)	9107560-20	5
4	TUBING #22 (BLUE)	9107560-00	4
3	WIRE, BUS #22	9107560-01	3
1	WIRED ASSY DD11-C	D-1A-7011163-0-0	2
1	HARNESS POWER	D-1A-7011127-0-0	1

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
ANGLES	CLASS OF ACCURACY
SURFACE QUALITY	CHECK ONE
QUANTITY & VARIATION	PREPARED
THIRD ANGLE PROJECTION	REMOVE BURRS AND BREAK SHARP CORNERS
MATERIAL	DO NOT SCALE DWG
FINISH	

DRN.	CHK'D.	ENGR.	PROD.	DATE
6/12/75	4/16/75	1-10-75	1/10/75	1/10/75

SIZE	CODE	NUMBER	REV.
D	14	7011528-0-0	D

TITLE: BACK PLANE ASS'Y DD11-CK

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WIRE TABLE									
ITEM NO	DESCRIPTION	FROM	TO	SIGNAL					
7	18 GRN	PI-15	ITEM 3 28	STRIP & -15B					
8	18 BRN	PI-14	19	TIN -5V					
9	18 BLU	PI-13	24	-15V					
6	14 RED	PI-12	26	+5B					
5	14 BLK	PI-8	29	GND					
5	14 BLK	PI-7	27	GND					
10	18 WHT	PI-6	25	+15B					
6	14 RED	PI-4	17	+5V					
11	18 ORN	PI-3	18	+20V					
12	18 GRY	PI-2	23	+15V					
6	14 RED	PI-1	16	+5V					
13	18 BLK	P2-1	20	GND					
8	18 BRN	P2-2	22	LTC					
14	18 VIO	P2-3	21	STRIP & DC LO					
15	18 YEL	P2-4	ITEM 3 30	TIN AC LO					

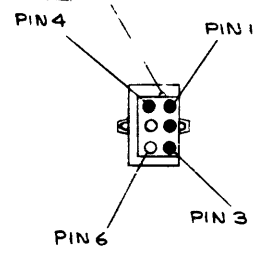
NOTES:
1. USE TIE, CABLE (X) WHERE INDICATED.

DO NOT REDUCE

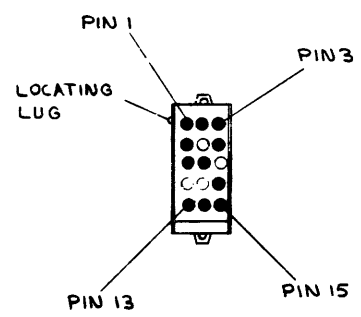
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SCALE FOR MFG PURPOSES ONLY

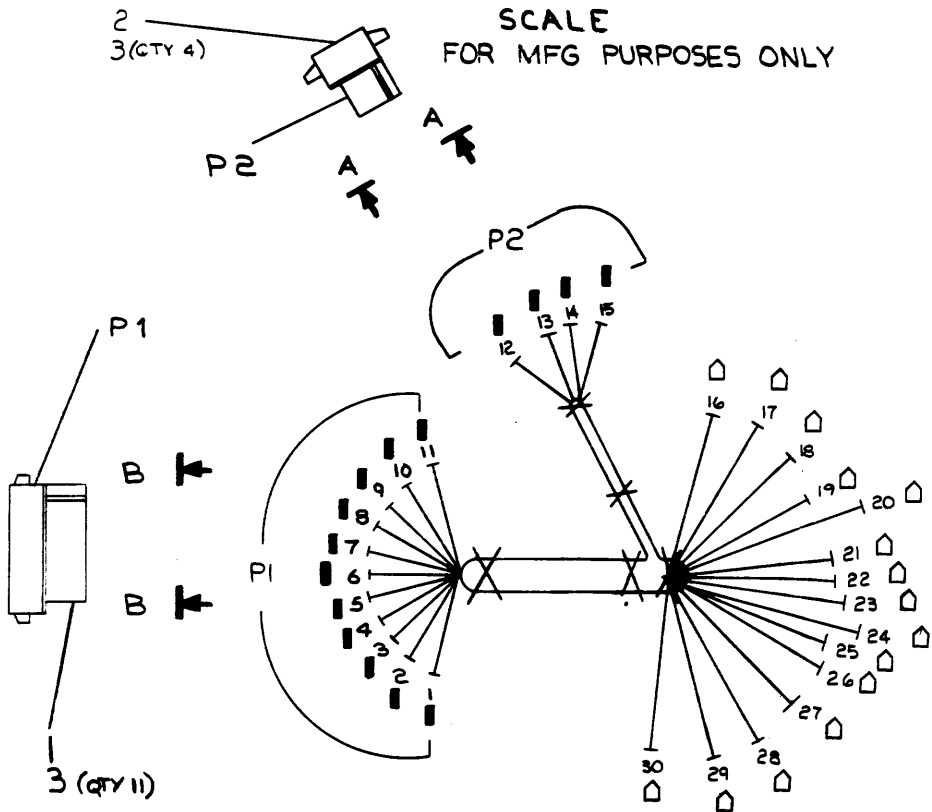
LOCATING LUG



VIEW A-A
WIRING SIDE
SCALE: NONE



VIEW B-B
WIRING SIDE
SCALE: NONE



QTY	DESCRIPTION	DWG./PART NO.	ITEM NO.
A/R	WIRE #18 STRD YEL	9107360-44	15
A/R	WIRE #18 STRD VIO	9107360-77	14
A/R	WIRE #18 STRD BLK	9107360-00	13
A/R	WIRE #18 STRD GRY	9107360-88	12
A/R	WIRE #18 STRD ORN	9107360-33	11
A/R	WIRE #18 STRD GRN	9107360-55	10
A/R	WIRE #18 STRD BLU	9107360-66	9
A/R	WIRE #18 STRD BRN	9107360-11	8
A/R	WIRE #18 STRD WHT	9107360-99	7
A/R	WIRE #14 STRD RED	9107370-22	6
A/R	WIRE #14 STRD BLK	9107370-00	5
X	5 TIE WRAP PANDUIT	9007880	4
1	CONV 6 PIN MAT LOCK	1209351-06	2
1	CONV 15 PIN MAT LOCK	1209351-15	1

REV.	DATE	BY	CHKD
1	17-7-76	D. BARRY	R. BARRY
2	22 Oct 76	D. BARRY	R. BARRY
3	11/17/76	D. BARRY	R. BARRY
4	1/17/77	D. BARRY	R. BARRY
5	2/2/77	D. BARRY	R. BARRY

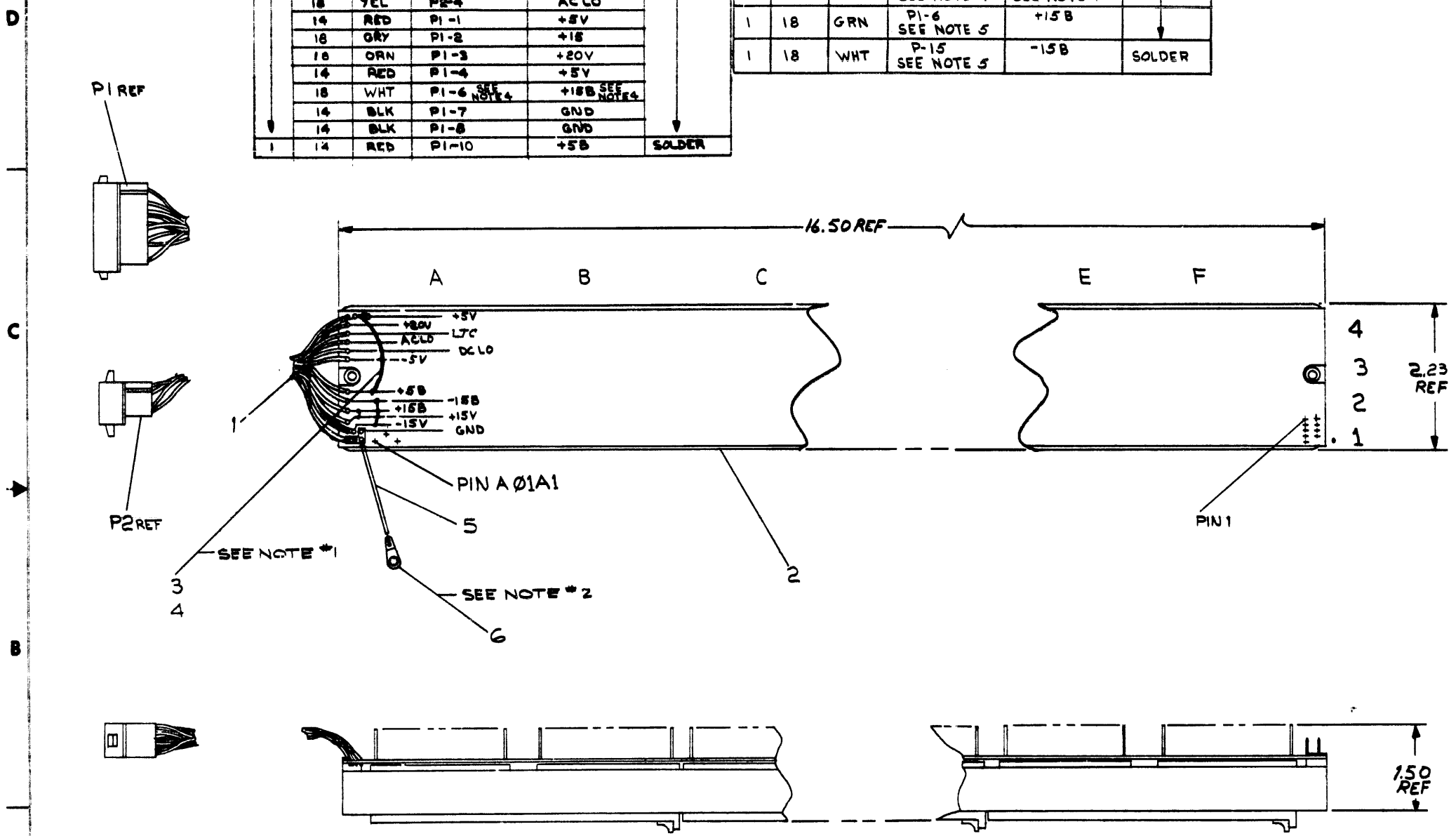
TY: 1D ANGLE PROJECTION	DRN: [Signature]	FIRST USED ON: DD11-CK
REMOVE BURRS AND BREAK SHARP CORNERS	CHK'D: [Signature]	TITLE: HARNESS DD11-CK
DO NOT SCALE DWG	PROJ. ENGR: [Signature]	SIZE: D
MATERIAL SEE PARTS LIST	PROD. R. BARRY	SCALE: 1/1
FINISH: [Symbol]	NEXT HIGHER ASSY:	SHEET: 1 OF 1
		DIST.:

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WIRE TABLE					
ITEM NO	AWG	COLOR	FROM	TO	WITH
			CONNECTION	CONNECTION	
1	18	BLK	P2-1	GND	SOLDER
	18	BRN	P2-2	LTC	
	18	VIO	P2-3	DC LO	
	18	YEL	P2-4	AC LO	
	14	RED	P1-1	+5V	
	18	GRY	P1-2	+15	
	18	ORN	P1-3	+20V	
	14	RED	P1-4	+5V	
	18	WHT	P1-6	+15B	SEE NOTE 4
	14	BLK	P1-7	GND	
	14	BLK	P1-8	GND	
1	14	RED	P1-10	+5B	SOLDER

WIRE TABLE					
ITEM NO	AWG	COLOR	FROM	TO	WITH
			CONNECTION	CONNECTION	
1	18	BLU	P1-13	-15V	SOLDER
1	18	BRN	P1-14	-5V	
1	18	GRN	P1-15	-15B	
			SEE NOTE 4	SEE NOTE 4	
1	18	GRN	P1-6	+15B	
			SEE NOTE 5		
1	18	WHT	P-15	-15B	SOLDER
			SEE NOTE 5		

- NOTES:
1. WHEN THE DD11-CF IS USED WITH A BAI1-F EXPANSION BOX WITHOUT BATTERY BACK-UP, INSTALL THE THREE JUMPERS SHOWN:
 1) -15 TO -15B
 2) +15 TO +15B
 3) +5 TO +5B
 USE #22 SHIELDED BUS WIRE ON SIDES. THIS WILL PROVIDE POWER TO THE MOS MEMORY VOLTAGE RAILS.
 2. INSTALL SHAKEPROOF SOLDER LUG (ITEM #6) UNDER THE SYSTEM UNIT MOUNTING SCREW TO PROVIDE A LOGIC GROUND TO CHASSIS GROUND CONNECTION.
 3. THE BAI1-F POWER HARNESS ITEM #1 IS NOT ELECTRICALLY COMPATIBLE WITH THE BAI1-L OR BAI1-K MOUNTING BOX.
 4. WHEN USING REV. A HARNESS USE THESE POINT-TO-POINT CONNECTIONS.
 5. WHEN USING REV. B HARNESS USE THESE POINT-TO-POINT CONNECTIONS.



REV. A	DATE	BY
1	3-10-76	D. BARRY
2	3-10-76	D. BARRY
3	3-10-76	D. BARRY
4	3-10-76	D. BARRY

DESCRIPTION	DWG. PART NO.	ITEM NO.
SHAKEPROOF SOLD. LUG	9008150	6
WIRE #18 AWG STRD (BLK)	9107360-00	5
TUBING #22 (BLUE)	9107256-06	4
WIRE, BUS #22	9107560-01	3
WIRED ASSY DD11-C	D-IA-7011563-0-0	2
HARNESS, POWER F BOX	C-IA-7011133-0-0	1

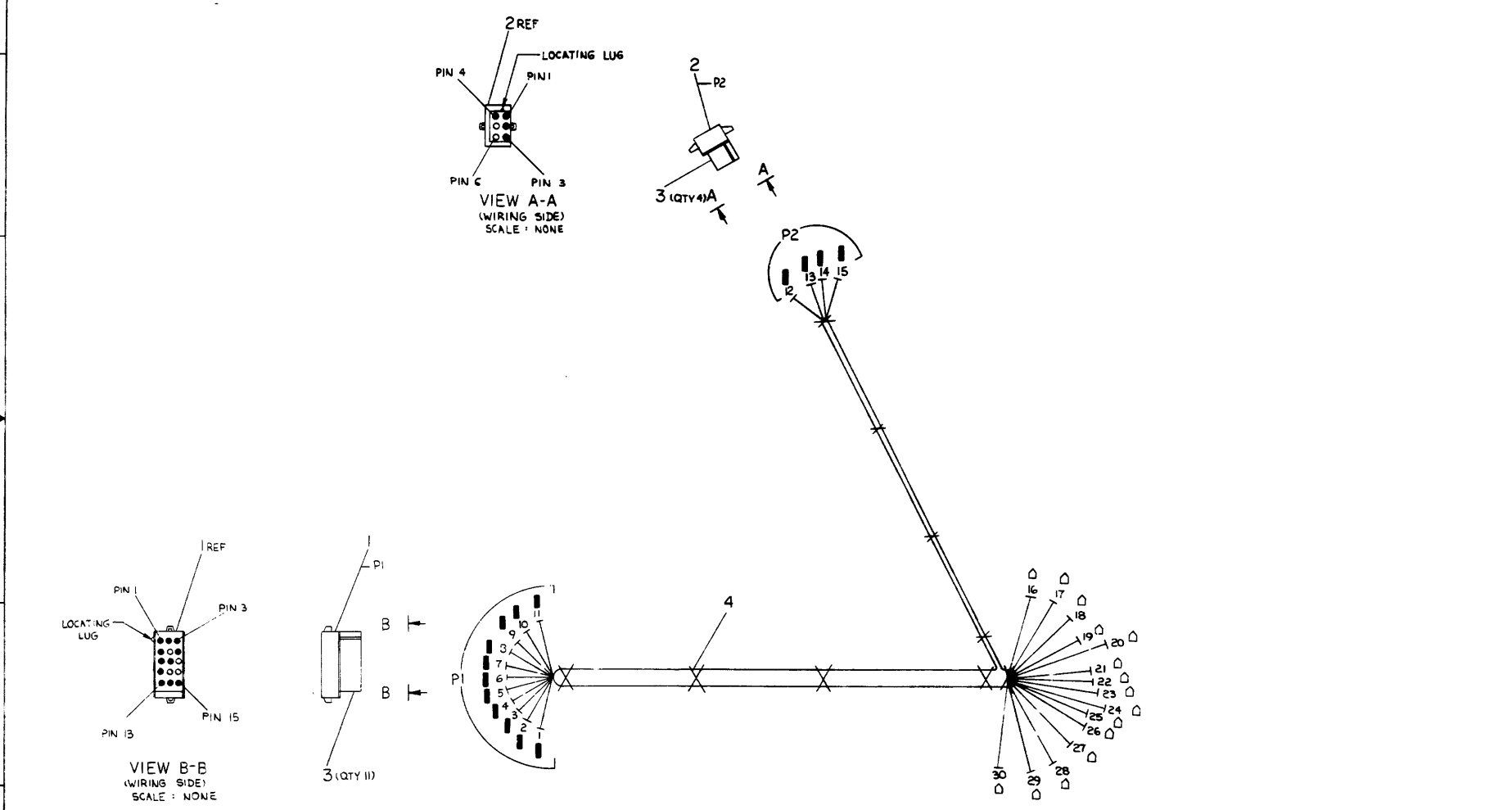
THIRD ANGLE PROJECTION	REMOVE BURRS AND BREAK SHARP CORNERS	DO NOT SCALE DWG	MATERIAL	SCALE	SHEET	1 OF 1
QUANTITY & VARIATION	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	CLASS OF ACCUR	NOMINAL DIMENSION RANGE INCHES	FINISH	FIRST USED ON BAI1-F	
ANGLES 90° 30°	CHECK ONE:	MEDIUM	1.004 1.008 1.012 1.016 1.020 1.024	PRECISION	TITLE	
SURFACE QUALITY IN	PRECISION	PREFERRED	1.004 1.008 1.012 1.016 1.020 1.024	FINISH	BACK PLANE ASS'Y DD11-CF	
DRN: E. Sealey 1 FEB 76	CHK'D: D. Barry 24 FEB 76	PROJ. ENR: D. Barry 3-10-76	PROCK: D. Barry 3-10-76	FINISH	SIZE CODE: D IA 7012445-0-0	
FINISH	SCALE	SHEET	1 OF 1	DIST.	REV. A	

DIA 7012445-0-0 A

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ITEM NO	DESCRIPTION				FROM				TO				SIGNAL	
	AWG	COLOR	POINT	CONNECTION	TERM	POINT	CONNECTION	TERM	POINT	CONNECTION	TERM	POINT		CONNECTION
7	18	GRN	1	P1-15	ITEM 3	28								-15 B
8	18	BRN	2	P1-14		19								-5V
9	18	BLU	3	P1-13		24								-15V
6	14	RED	4	P1-10		26								+5B
5	14	BLK	5	P1-8		29								GND
8	14	BLK	6	P1-7		27								GND
10	18	WHT	7	P1-6		25								+15 B
6	14	RED	8	P1-4		17								+5V
11	18	ORN	9	P1-3		18								+20V
12	18	GRY	10	P1-2		23								+15V
6	14	RED	11	P1-1		16								+5V
13	18	BLK	12	P2-1		20								GND
9	18	BRN	13	P2-2		22								LTC
14	18	VIO	14	P2-3		21								DC LO
15	18	VEL	15	P2-4	ITEM 3	30								AC LO

NOTES:
1. USE TIE, CABLE (X) WHERE INDICATED.



DESCRIPTION	QTY	ITEM NO.
WIRE WIRE #18 STRD VEL	5	5
WIRE WIRE #18 STRD VIO	4	4
WIRE WIRE #18 STRD BLK	13	13
WIRE WIRE #18 STRD GRN	12	12
WIRE WIRE #18 STRD ORN	10	10
WIRE WIRE #18 STRD BRN	9	9
WIRE WIRE #18 STRD BLU	2	2
WIRE WIRE #18 STRD WHT	1	1
WIRE WIRE #14 STRD RED	1	1
WIRE WIRE #14 STRD BLK	5	5
TIE WRAP PANDUIT	1	1
15 PIN MALE	3	3
CONN, 6 PIN MAT LOCK	2	2
CONN, 15 PIN MAT LOCK	1	1

DATE: 7/22/72
DRAWN BY: [Signature]
CHECKED BY: [Signature]
APPROVED BY: [Signature]

SYMBOL: [Symbol]

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES

QUANTITY & VARIATION: [Table]

DATE: 7/22/72

DESIGN: DDII-CF

TITLE: HARNESS DDII-CF

SCALE: 1/1

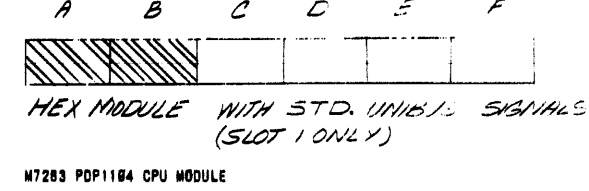
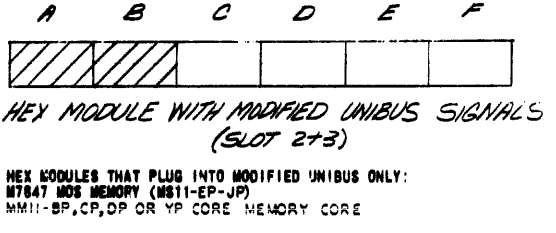
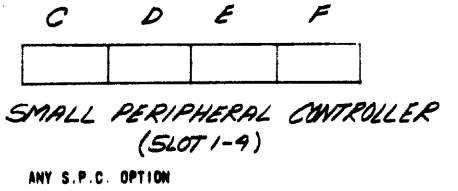
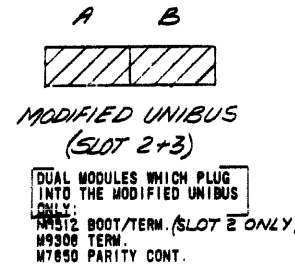
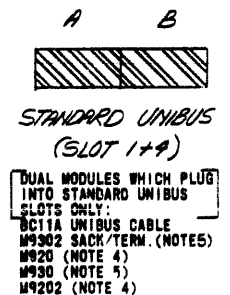
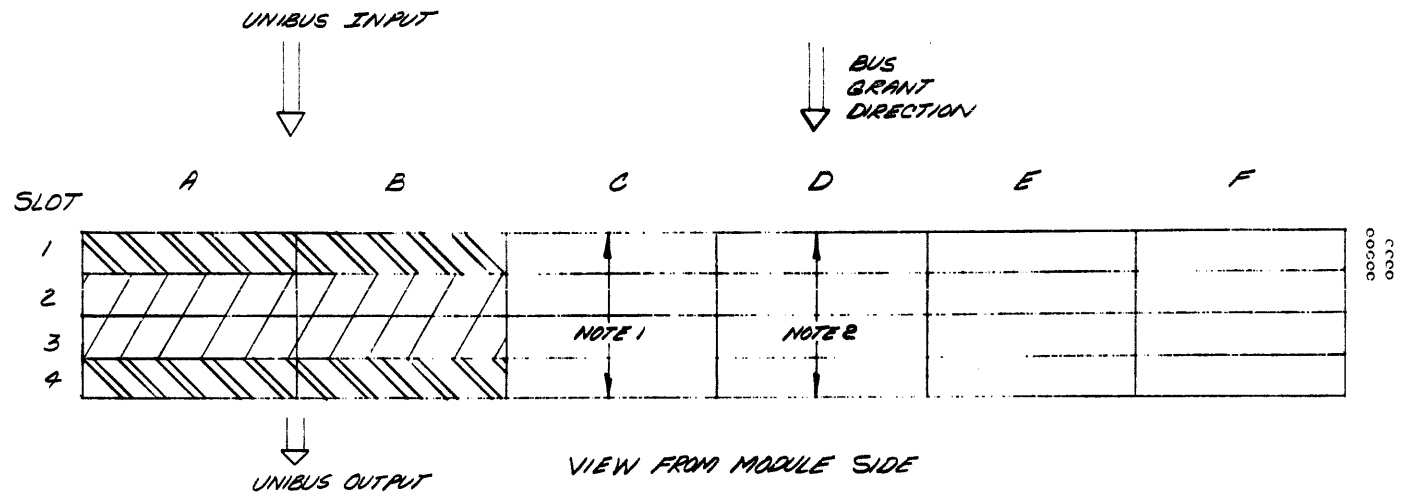
SHEET: 1 OF 1

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- NOTES:**
1. REMOVE CA1 TO CB1 WIRE WRAP JUMPER TO INSTALL AN NPR OPTION IN ANY SPC SLOT.
 2. G727 REQUIRED IN ANY UNUSED SPC SLOT TO PROVIDE DIS GRANT CONTINUITY.
 3. GRANT DIRECTION IS SLOT 1 TO SLOT 4.
 4. USE M92B2 TO INTERCONNECT SYSTEM UNITS INSTEAD OF M92B. M92B2 IS A 2 FT. UNIBUS JUMPER CABLE USED TO DISTRIBUTE UNIBUS LOADING.
 5. M93B2 (SACK/TERM) AND M93B (TERM) MUST NEVER BE INSTALLED IN ANY SLOT OTHER THAN SLOT 4 (A & B). POWER SUPPLY VOLTAGES WILL BE SHORTED OUT IF THESE TERMINATORS ARE MOUNTED IN THE MODIFIED UNIBUS SLOTS.
 6. MODIFIED UNIBUS SECTION CARRIES CORE AND MOS MEMORY VOLTAGE RAILS AND MEMORY PARITY CONTROL SIGNALS INSTEAD OF BUS GRANT AND SOME GND SIGNALS THAT ARE CONTAINED IN STANDARD UNIBUS SLOTS.
 7. INSTALL M93B2 IN SLOT 2 ONLY FOR MOD UNIBUS TERMINATION.
 8. EITHER M93B2 OR M93B1 MAY BE USED BUT NOT BOTH.

SLOT 1 (A & B) IS EITHER THE BEGINNING OF THE UNIBUS (M72B3 CPU MODULE) OR THE UNIBUS CABLE INPUT (BC11A)

SLOT 4 (A & B) IS EITHER THE TERMINATION OF THE UNIBUS OR THE UNIBUS OUTPUT CABLE (BC11A)



- GENERAL**
- ANY HEX MODULE THAT MEETS THE FOLLOWING REQUIREMENTS CAN BE MOUNTED IN THESE SLOTS.
1. THOSE PINNED TO TAKE SIGNALS FROM MODIFIED UNIBUS (A & B) WITH THE BUS GRANTS TAKEN FROM SPC SLOTS 1a: ABOVE
 2. THOSE PINNED TO TAKE SIGNALS FROM STANDARD SPC PINNING WITH THE EXCEPTION OF POWER FROM (A & B) 1a: SPECIAL OPTIONS

REV.	DATE	BY	CHKD.
A	7-16-76	J. BARRY	J. BARRY
B	7-28-76	B. BERNSTEIN	B. BERNSTEIN
C	7-28-76	J. SOFIO	J. SOFIO

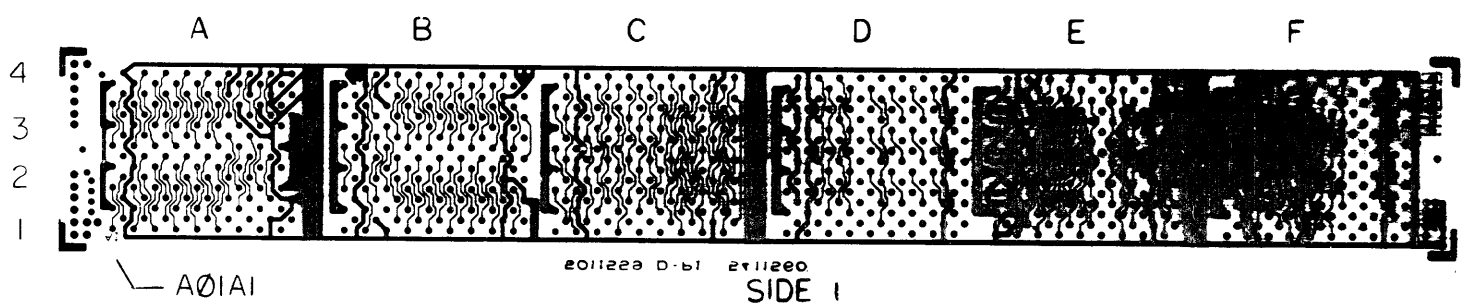
DESCRIPTION	DWG. PART NO.	ITEM NO.
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		
ANGLES	CLASS OF ACCURACY	NOMINAL DIMENSION RANGE INCHES
±0° 30'	(CHECK ONE)	OVER 0 TO 12 4.0 12.0 40.0
SURFACE QUALITY IN MICROINCHES	MEDIUM	1.2 4.0 12.0 40.0 80.0
QUANTITY & VARIATION	PREFERRED	±.004 ±.008 ±.012 ±.016 ±.024 ±.04
THIRD ANGLE PROJECTION	DRN	FIRST USED ON B-DD 0011-C
REMOVE BURRS AND BREAK SHARP CORNERS	CHKD.	TITLE MODULE UTILIZATION
DO NOT SCALE DWG	ENG. R. BARRY	(DD11-C)
MATERIAL	PROJ. ENG. R. BARRY	SIZE CODE NUMBER REV. D NU DD11-C-2 C
FINISH	PROD.	SCALE DIST. SHEET 1 OF 1

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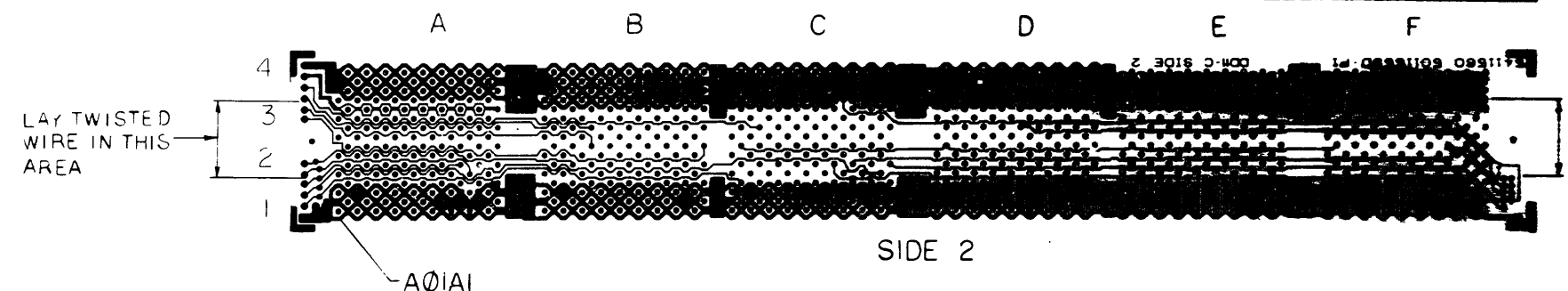
NOTES:

NOTES:

1. A.H. DRAWING MADE FROM SIDE 1.
2. HORIZON WIRE RUNS 1-20 MUST BE DRESSED INTO CENTER CHANNEL MARKED ON THIS DRAWING.
3. WIRES, (TWISTED PAIRS) ARE GREY AND VIOLET.
4. GREY IS GND. VIOLET IS SIGNAL LINE.
5. SIDE 1 IS DARK. SIDE 2 IS LIGHT.



RUN	FROM	TO	SIGNAL	RUN	FROM	TO	SIGNAL	RUN	FROM	TO	SIGNAL	RUN	FROM	TO	SIGNAL	RUN	FROM	TO	SIGNAL
1	B02U1	E01J1	SSYN L	5	A02P2	F01D1	BBSY L	9	B02F2	C01N1	D01O	13	B01B1	D01P2	BG5A	17	A01V1	D01K2	BG7A
1	B02T1	E01C2	GND	5	A02T1	F01C2	GND	9	B02C2	C01T1	GND	13	B01C2	D02T1	GND LEV2	17	A01V2	D02C2	GND
2	B03U1	E04J1	SSYN L	6	A03P2	F04D1	BBSY L	10	B03F2	C04N1	D01O	14	B04B1	D04R2	BG5E	18	A04V1	D04L2	BG7E
2	B03T1	E04C2	GND	6	A03T1	F04C2	GND	10	B03C2	C04T1	GND	14	B04C2	D03T1	GND LEV2	18	A04V2	D03C2	GND
3	B02V1	E01E1	MSYN L	7	A02A1	D01L1	INIT L	11	B01E2	D01S2	BG4A	15	B01A1	D01M2	BG6A	19	A01U1	C01A1	NPGL
3	B02T1	F01C2	GND LEV2	7	A02C2	D01T1	GND	11	B01C2	D01T1	GND	15	B01B2	D02T1	GND	19	A01T1	C01C2	GND
4	B03V1	E04E1	MSYN C	8	A03A1	D04L1	INIT L	12	B04E2	D04T2	BG4E	16	B04A1	D04N2	BG6E	20	A04U1	C04B1	NPGL
4	B03T1	E04C2	GND LEV2	8	A03C2	D04T1	GND	12	B04C2	D04T1	GND	16	B04B2	D03T1	GND	20	A04T1	C04C2	GND



IC TYPE	GND	+5V
GND AND 5V ARE USUALLY PIN 7 AND 14 RESPECTIVELY. EXCEPTIONS ARE STATED ABOVE.		
IC PIN LOCATIONS		

REF	AWT REV STATUS	A-WT-7011563	5
REF	MODULE ECO HISTORY	B-MH-5411560-0-6	4
REF	ASSY/DRILLING HOLE LAYOUT	D-AH-5411560-0-5	3
REF	X-Y COORDINATE HOLE LOCATION	K-CC-5411560-0-4	2
I	ETCHED CIRCUIT BOARD	5011559	1
QTY	REF. DESIGNATION	DESCRIPTION	PART NO. ITEM NO.
FIRST USED ON OPTION MODEL: DD11-CK			
ETCH BOARD REV. DPI			
PARTS LIST			
REVISONS		DATE	BY
D. PARR		6-22-75	DP
REVISED & REDRAWN		DATE	BY
P. S. 5411560-00003 D		6/26/75	DP
Richard Barock 1-12-76		DATE	BY
R. BARRY		7-2-75	DP
H. BARRON 17 Dec 75		DATE	BY
5411560-00002 C		4-25-76	DP
R. BARRY		DATE	BY
5411560-00001 B		DATE	BY
5411560-00000 A		DATE	BY
CHG		DATE	BY
NEXT HIGHER ASSY: D-IA-7414331-0-0			
DEC NO.		EIA NO.	REV
SEMICONDUCTOR CONVERSION CHART		SCALE NONE	5411560-0-1
SHEET 1 OF 1		DIST.	

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DIGITAL EQUIP. CORP.

SIZE CODE K WL
NUMBER DDII-C-1

4 3 2 1

B

B



A

A

REVISIONS	CHANGE NO.	REV.
CHK	DDII-C-00001	A
R. BARRY		
Richard Barry 1-13-76		

FIRST USED ON OPTION MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
DDII-C				
PARTS LIST				
DRN <i>D. Thellon</i>	DATE 7/2/75	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS TITLE WIRE LIST DDII-C		
CHK'D <i>D. Thellon</i>	DATE 7/2/75			
ENG. <i>R. Barry</i>	DATE 7-30-75			
PROJ. ENG. <i>R. Barry</i>	DATE 7-2-75			
PROD. <i>R. Barry</i>	DATE 7/18/75			
NEXT HIGHER ASSEMBLY				
B-DD-DDII-C		SIZE CODE	NUMBER	REV.
SCALE		K WL	DDII-C-1	A
SHEET / OF /		DIST.		

DEC FORM NO. DRB 109

4 3 2 1

DD11-C.P0
RUN NAME

HND288.V23(23) 05/24/74
A/P PIN ORDER BAY -
NAME PIN ORDER

Q DRAW RV PG Y X Z

REMARKS

12-MAR-75
LENGTH

8143
EXCEPTIONS

PAGE 1
RUN
NUMBER

DD11-C.P0 RUN NAME	HND288.V23(23) 05/24/74 A/P PIN ORDER BAY - NAME PIN ORDER	Q DRAW RV PG Y X Z	REMARKS	12-MAR-75 LENGTH	8143 EXCEPTIONS	PAGE 1 RUN NUMBER
+15/+8V	C01U1 1-01	H 2			H TO WHERE	1
+15/+8V	C02U1 1-02	H 1			H TO WHERE	1
+15/+8V	C03U1 1-03	H 2			H TO WHERE	1
+15/+8V	C04U1 1-04				TO HERE	1
+15/+8V	1			8-2/8		1
+22V	A02U1 1-01	H 1			H TO WHERE	2
+22V	A02V1 1-02	H 2			H TO WHERE	2
+22V	A02V2 1-03	H 1			H TO WHERE	2
+22V	A03U1 1-04	H 2			H TO WHERE	2
+22V	A03V1 1-05	H 1			H TO WHERE	2
+22V	A03V2 1-06				TO HERE	2
+22V	1			12-4/8		2
+5V (1)	A01A2 1-01	H 2			H TO WHERE	3
+5V (1)	A02A2 1-02	H 1			H TO WHERE	3
+5V (1)	A03A2 1-03	H 2			H TO WHERE	3
+5V (1)	A04A2 1-04				TO HERE	3
+5V (1)	1			8-2/8		3
+5V (2)	B01A2 1-01	H 2			H TO WHERE	4
+5V (2)	B02A2 1-02	H 1			H TO WHERE	4
+5V (2)	B03A2 1-03	H 2			H TO WHERE	4
+5V (2)	B04A2 1-04				TO HERE	4
+5V (2)	1			8-2/8		4
+5V (3)	C01A2 1-01	H 2			H TO WHERE	5
+5V (3)	C02A2 1-02	H 1			H TO WHERE	5
+5V (3)	C03A2 1-03	H 2			H TO WHERE	5
+5V (3)	C04A2 1-04				TO HERE	5
+5V (3)	1			8-2/8		5
+5V (4)	D01A2 1-01	H 2			H TO WHERE	6
+5V (4)	D02A2 1-02	H 1			H TO WHERE	6
+5V (4)	D03A2 1-03	H 2			H TO WHERE	6
+5V (4)	D04A2 1-04				TO HERE	6
+5V (4)	1			8-2/8		6
+5V (5)	E01A2 1-01	H 2			H TO WHERE	7
+5V (5)	E02A2 1-02	H 1			H TO WHERE	7
+5V (5)	E03A2 1-03	H 2			H TO WHERE	7
+5V (5)	E04A2 1-04				TO HERE	7
+5V (5)	1			8-2/8		7

DD11-C.PM
RUN NAME

HND288.V23(23) 05/24/74
A/P PIN ORDER BAY -
NAME PIN ORDER

Q DRAW RV PG Y X Z REMARKS

12-MAR-75
LENGTH

8143
EXCEPTIONS

PAGE 2
RUN
NUMBER

+5V (6)
+5V (6)
+5V (6)
+5V (6)
+5V (6)

F01A2 1-01
F02A2 1-02
F03A2 1-03
F04A2 1-04
1

H
H
H
H
H

P
P
P
P
P

H TO WHERE
H TO WHERE
H TO WHERE
H TO WHERE
TO HERE

8
8
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-15V
-15V
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C01B2 1-01
C02B2 1-02
C03B2 1-03
C04B2 1-04
D04B2 1-05
D03B2 1-06
D02B2 1-07
D01B2 1-08
E01B2 1-09
E02B2 1-10
E03B2 1-11
E04B2 1-12
F04B2 1-13
F03B2 1-14
F02B2 1-15
F01B2 1-16
1

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-5V
-5V
-5V

B02V2 1-01
B03V2 1-02
1

H

P

H TO WHERE
TO HERE

10
10
10

A 8G IN
A 8G IN
A 8G IN

C01U2 1-01
F01B1 1-02
1

11
11
11

A 8G OUT
A 8G OUT
A 8G OUT

D01V2 1-01
F01A1 1-02
1

12
12
12

A 8R OUT
A 8R OUT
A 8R OUT
A 8R OUT

D01J2 1-01
F01P1 1-02
F01U2 1-03
1

13
13
13
13

A 1A
A 1A
A 1A

D01H1 1-01
E01A1 1-02
1

14
14
14

DD11-C.PM
RUN NAME

HND288.V23(23) 05/24/74
A/P PIN ORDER BAY -
NAME PIN ORDER

Q DRAW RV PG Y X Z REMARKS

12-MAR-75
LENGTH

8143
EXCEPTIONS

PAGE 3
RUN
NUMBER

A INT A
A INT A
A INT A

D01N1 1-01
F01U1 1-02
1

15
15
15

A INT B
A INT B
A INT B

C01J1 1-01
F01K2 1-02
1

16
16
16

A INT ENB A
A INT ENB A
A INT ENB A

D01M1 1-01
F01V1 1-02
1

17
17
17

A INT ENB B
A INT ENB B
A INT ENB B

C01L1 1-01
F01H2 1-02
1

18
18
18

A OUT HIGH
A OUT HIGH
A OUT HIGH

D01K1 1-01
E01P2 1-02
1

19
19
19

A OUT LOW
A OUT LOW
A OUT LOW

D01D1 1-01
E01N1 1-02
1

20
20
20

A SEL 2
A SEL 2
A SEL 2

D01F1 1-01
E01S2 1-02
1

21
21
21

A SEL 4
A SEL 4
A SEL 4

D01E1 1-01
E01P2 1-02
1

22
22
22

A SEL 6
A SEL 6
A SEL 6

D01C1 1-01
E01S1 1-02
1

23
23
23

A SEP 2
A SEP 2
A SEP 2

D01J1 1-01
E01T2 1-02
1

24
24
24

A SSYN IN H
A SSYN IN H
A SSYN IN H

D01V1 1-01
F01B1 1-02
1

25
25
25

DD11-C,PM RUN NAME	HND288.V23(23) 05/24/74 A/P PIN ORDER HAY - NAME PIN ORDER	Q	DRAW	RV	PG	Y	X	Z	REMARKS	12-MAR-75 LENGTH	8143 EXCEPTIONS	PAGE 4 RUN NUMBER
AC LO L	E01F1	1-01 *	H					2		P		26
AC LO L	E02F1	1-02 *						1			HAND WIRE TO HERE	26
AC LO L	C01V1	1-03 *	H					2		P	HAND WIRE	26
AC LO L	C02V1	1-04 *	H					1		P	HAND WIRE	26
AC LO L	C03V1	1-05 *	H					2		P	HAND WIRE	26
AC LO L	C04V1	1-06 *						1			TO HERE	26
AC LO L	E03F1	1-07 *	H					2		P	HAND WIRE	26
AC LO L	E04F1	1-08 *						1			TO HERE	26
		1									26-6/8	26
B BG IN	D02U2	1-01						1				27
B BG IN	F02B1	1-02						1				27
		1									5-6/8	27
B BG OUT	D02V2	1-01						1				28
B BG OUT	F02A1	1-02						1				28
		1									5-6/8	28
B BR OUT	D02J2	1-01						1				29
B BR OUT	F02P1	1-02						2				29
B BR OUT	F02U2	1-03						1				29
		1									11-4/8	29
B IN	D02H1	1-01						1				30
B IN	E02M1	1-02						1				30
		1									5-2/8	30
B INT A	D02N1	1-01						1				31
B INT A	F02U1	1-02						1				31
		1									8-2/8	31
B INT B	C02J1	1-01						1				32
B INT B	F02K2	1-02						1				32
		1									10-4/8	32
B INT ENB A	D02M1	1-01						1				33
B INT ENB A	F02V1	1-02						1				33
		1									8-4/8	33
B INT ENB B	C02L1	1-01						1				34
B INT ENB B	F02H2	1-02						1				34
		1									10-0/8	34
B OUT HIGH	D02K1	1-01						1				35
B OUT HIGH	E02M2	1-02						1				35
		1									5-2/8	35

DD11-C,PM RUN NAME	HND288.V23(23) 05/24/74 A/P PIN ORDER HAY - NAME PIN ORDER	Q	DRAW	RV	PG	Y	X	Z	REMARKS	12-MAR-75 LENGTH	8143 EXCEPTIONS	PAGE 5 RUN NUMBER
B OUT LOW	D02U1	1-01						1				36
B OUT LOW	E02N1	1-02						1				36
		1									5-6/8	36
B SEL 0	D02F1	1-01						1				37
B SEL 0	E02S2	1-02						1				37
		1									6-0/8	37
B SEL 4	D02E1	1-01						1				38
B SEL 4	E02R2	1-02						1				38
		1									6-2/8	38
B SEL 6	D02C1	1-01						1				39
B SEL 6	F02S1	1-02						1				39
		1									6-2/8	39
B SER 2	D02J1	1-01						1				40
B SER 2	F02T2	1-02						1				40
		1									6-0/8	40
B SSVN IN H	D02V1	1-01						1				41
B SSVN IN H	F02H1	1-02						1				41
		1									2-6/8	41
BB+15	A02R1	1-01	H					1		P	H TO WHERE TO HERE	42
BB+15	A03R1	1-02						1				42
		1									2-6/8	42
BB+5	B02D1	1-01	H					1		P	H TO WHERE TO HERE	43
BB+5	B03D1	1-02						1				43
		1									2-6/8	43
BB-15	A02S1	1-01	H					1		P	H TO WHERE TO HERE	44
BB-15	A03S1	1-02						1				44
		1									2-6/8	44
BBSY I	A01P2	1-01 *	H					2		P	HAND WIRE TO HERE	45
BBSY I	A02P2	1-02 *						1				45
BBSY L	F01D1	1-03 *	H					2		P	HAND WIRE	45
BBSY L	F02D1	1-04 *	H					1		P	HAND WIRE	45
BBSY L	F03D1	1-05 *	H					2		P	HAND WIRE	45
BBSY L	F04D1	1-06 *						1		P	TO HERE	45
BBSY L	A03P2	1-07 *	H					2		P	HAND WIRE	45
BBSY L	A04P2	1-08 *						1			TO HERE	45
		1									43-2/8	45

DD11-C.PP
RUN NAME

HND200.V23(23) 05/24/74
A/P PIN ORDER BAY -
NAME PIN ORDER

Q	DRAW	RV	PG	Y	X	Z	REMARKS	12-MAR-75 LENGTH	8143 EXCEPTIONS	PAGE 6 RUN NUMBER
						1				46
BG4 A										46
BG4 A								8-6/8		46
BG4 A										
AG4 B						1			H TO WHERE	47
BG4 B									TO HERE	47
BG4 B								2-6/8		47
BG4 C						1			H TO WHERE	48
BG4 C									TO HERE	48
BG4 C								2-6/8		48
BG4 D						1			H TO WHERE	49
BG4 D									TO HERE	49
BG4 D								2-6/8		49
BG4 E						1				50
BG4 F										50
BG4 F								9-2/8		50
BG5 A						1				51
BG5 A										51
BG5 A								9-8/8		51
BG5 B						1			H TO WHERE	52
BG5 B									TO HERE	52
BG5 B								2-6/8		52
BG5 C						1			H TO WHERE	53
BG5 C									TO HERE	53
BG5 C								2-6/8		53
BG5 D						1			H TO WHERE	54
BG5 D									TO HERE	54
BG5 D								2-6/8		54
BG5 E						1				55
BG5 E										55
BG5 E								9-2/8		55
BG6 A						1				56
BG6 A										56
BG6 A								9-8/8		56
BG6 B						1			H TO WHERE	57
BG6 B									TO HERE	57
BG6 B								2-6/8		57

DD11-C.PP
RUN NAME

HND200.V23(23) 05/24/74
A/P PIN ORDER BAY -
NAME PIN ORDER

Q	DRAW	RV	PG	Y	X	Z	REMARKS	12-MAR-75 LENGTH	8143 EXCEPTIONS	PAGE 7 RUN NUMBER
BG6 C						1			H TO WHERE	58
BG6 C									TO HERE	58
BG6 C								2-6/8		58
BG6 D						1			H TO WHERE	59
BG6 D									TO HERE	59
BG6 D								2-6/8		59
BG6 E						1			H TO WHERE	60
BG6 E									TO HERE	60
BG6 E								9-2/8		60
BG7 A						1				61
BG7 A										61
BG7 A								9-2/8		61
BG7 B						1			H TO WHERE	62
BG7 B									TO HERE	62
BG7 B								2-6/8		62
BG7 C						1			H TO WHERE	63
BG7 C									TO HERE	63
BG7 C								2-6/8		63
BG7 D						1			H TO WHERE	64
BG7 D									TO HERE	64
BG7 D								2-6/8		64
BG7 E						1				65
BG7 F										65
BG7 E								9-4/8		65
BR4 L						2			HAND WIRE	66
BR4 L						1			TO HERE	66
BR4 L									HAND WIRE	66
BR4 L						1			HAND WIRE	66
BR4 L						2			HAND WIRE	66
BR4 L						1			TO HERE	66
BR4 L									HAND WIRE	66
BR4 L						2			TO HERE	66
BR4 L								30-2/8		66

DD11-C, P0
RUN NAME

HND288.V23(23) 05/24/74
A/P PIN ORDER BAY - Q DRAW RV PG Y X Z

12-MAR-75 8143 PAGE 8
LENGTH EXCEPTIONS RUN NUMBER

A/P	PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW	RV	PG	Y	X	Z	REMARKS	12-MAR-75 LENGTH	8143 EXCEPTIONS	PAGE 8 RUN NUMBER
BR5 L	B01C1		1-01 * H							2		P	HAND WIRE	67
BR5 L	B02C1		1-02 * H							1			TO HERE	67
BR5 L	D01F2		1-03 * H							2		P	HAND WIRE	67
BR5 L	D02F2		1-04 * H							1		P	HAND WIRE	67
BR5 L	D03F2		1-05 * H							2		P	HAND WIRE	67
BR5 L	D04F2		1-06 * H							1			TO HERE	67
BR5 L	B03C1		1-07 * H							2		P	HAND WIRE	67
BR5 L	B04C1		1-08 * H										TO HERE	67
BR5 L			1										30-0/8	67
BR6 L	A01U2		1-01 *							2				68
BR6 L	A02U2		1-02 *							1				68
BR6 L	D01E2		1-03 * H							2		P	HAND WIRE	68
BR6 L	D02E2		1-04 * H							1		P	HAND WIRE	68
BR6 L	D03E2		1-05 * H							2		P	HAND WIRE	68
BR6 L	D04E2		1-06 *							1			TO HERE	68
BR6 L	A03U2		1-07 *							2				68
BR6 L	A04U2		1-08 *											68
BR6 L			1										31-6/8	68
BR7 L	A01T2		1-01 * H							2		P	HAND WIRE	69
BR7 L	A02T2		1-02 * H							1			TO HERE	69
BR7 L	D01D2		1-03 * H							2		P	HAND WIRE	69
BR7 L	D02D2		1-04 * H							1		P	HAND WIRE	69
BR7 L	D03D2		1-05 * H							2		P	HAND WIRE	69
BR7 L	D04D2		1-06 *							1			TO HERE	69
BR7 L	A03T2		1-07 * H							2		P	HAND WIRE	69
BR7 L	A04T2		1-08 *										TO HERE	69
BR7 L			1										31-6/8	69
BUS A00 L	B01H2		1-01 * H							2		P	HAND WIRE	70
BUS A00 L	B02H2		1-02 *							1			TO HERE	70
BUS A00 L	E01H2		1-03 * H							2		P	HAND WIRE	70
BUS A00 L	E02H2		1-04 * H							1		P	HAND WIRE	70
BUS A00 L	E03H2		1-05 * H							2		P	HAND WIRE	70
BUS A00 L	E04H2		1-06 *							1			TO HERE	70
BUS A00 L	B03H2		1-07 * H							2		P	HAND WIRE	70
BUS A00 L	B04H2		1-08 *										TO HERE	70
BUS A00 L			1										34-2/8	70

DD11-C, P0
RUN NAME

HND288.V23(23) 05/24/74
A/P PIN ORDER BAY - Q DRAW RV PG Y X Z

12-MAR-75 8143 PAGE 9
LENGTH EXCEPTIONS RUN NUMBER

A/P	PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW	RV	PG	Y	X	Z	REMARKS	12-MAR-75 LENGTH	8143 EXCEPTIONS	PAGE 9 RUN NUMBER
BUS A01 L	B01H1		1-01 * H							2		P	HAND WIRE	71
BUS A01 L	B02H1		1-02 *							1			TO HERE	71
BUS A01 L	E01H1		1-03 * H							2		P	HAND WIRE	71
BUS A01 L	E02H1		1-04 * H							1		P	HAND WIRE	71
BUS A01 L	E03H1		1-05 * H							2		P	HAND WIRE	71
BUS A01 L	E04H1		1-06 *							1			TO HERE	71
BUS A01 L	B03H1		1-07 * H							2		P	HAND WIRE	71
BUS A01 L	B04H1		1-08 *										TO HERE	71
BUS A01 L			1										34-2/8	71
BUS A02 L	B01J2		1-01 * H							2		P	HAND WIRE	72
BUS A02 L	B02J2		1-02 *							1			TO HERE	72
BUS A02 L	E01F1		1-03 * H							2		P	HAND WIRE	72
BUS A02 L	E02F1		1-04 * H							1		P	HAND WIRE	72
BUS A02 L	E03F1		1-05 * H							2		P	HAND WIRE	72
BUS A02 L	E04F1		1-06 *							1			TO HERE	72
BUS A02 L	B03J2		1-07 * H							2		P	HAND WIRE	72
BUS A02 L	B04J2		1-08 *										TO HERE	72
BUS A02 L			1										34-0/8	72
BUS A03 L	B01J1		1-01 * H							2		P	HAND WIRE	73
BUS A03 L	B02J1		1-02 *							1			TO HERE	73
BUS A03 L	E01V2		1-03 * H							2		P	HAND WIRE	73
BUS A03 L	E02V2		1-04 * H							1		P	HAND WIRE	73
BUS A03 L	E03V2		1-05 * H							2		P	HAND WIRE	73
BUS A03 L	E04V2		1-06 *							1			TO HERE	73
BUS A03 L	B03J1		1-07 * H							2		P	HAND WIRE	73
BUS A03 L	B04J1		1-08 *										TO HERE	73
BUS A03 L			1										37-0/8	73
BUS A04 L	B01K2		1-01 * H							2		P	HAND WIRE	74
BUS A04 L	B02K2		1-02 *							1			TO HERE	74
BUS A04 L	E01U2		1-03 * H							2		P	HAND WIRE	74
BUS A04 L	E02U2		1-04 * H							1		P	HAND WIRE	74
BUS A04 L	E03U2		1-05 * H							2		P	HAND WIRE	74
BUS A04 L	E04U2		1-06 *							1			TO HERE	74
BUS A04 L	B03K2		1-07 * H							2		P	HAND WIRE	74
BUS A04 L	B04K2		1-08 *										TO HERE	74
BUS A04 L			1										36-2/8	74

OD11-C.PM RUN NAME	HND288.V23(23) 05/24/74										12-MAR-75	8143	PAGE 10			
	A/P	PIN	ORDER	BAY -	G	DRAW	RV	PG	Y	X	Z	REMARKS	LENGTH	EXCEPTIONS	RUN	
		NAME	PIN	ORDER											NUMBER	
BUS A05 L		B01K1		1-21 *	H						2		P		HAND WIRE	75
BUS A05 L		B02K1		1-22 *							1				TO HERE	75
BUS A05 L		E01V1		1-23 *	H						2		P		HAND WIRE	75
BUS A05 L		E02V1		1-24 *	H						1		P		HAND WIRE	75
BUS A05 L		E03V1		1-25 *	H						2		P		HAND WIRE	75
BUS A05 L		E04V1		1-26 *							1				TO HERE	75
BUS A05 L		B03K1		1-27 *	H						2		P		HAND WIRE	75
BUS A05 L		B04K1		1-28 *											TO HERE	75
BUS A05 L				1										36-6/8		75
BUS A06 L		B01L2		1-21 *	H						2		P		HAND WIRE	76
BUS A06 L		B02L2		1-22 *							1				TO HERE	76
BUS A06 L		E01U1		1-23 *	H						2		P		HAND WIRE	76
BUS A06 L		E02U1		1-24 *	H						1		P		HAND WIRE	76
BUS A06 L		E03U1		1-25 *	H						2		P		HAND WIRE	76
BUS A06 L		E04U1		1-26 *							1				TO HERE	76
BUS A06 L		B03L2		1-27 *	H						2		P		HAND WIRE	76
BUS A06 L		B04L2		1-28 *											TO HERE	76
BUS A06 L				1										36-0/8		76
BUS A07 L		B01L1		1-21 *	H						2		P		HAND WIRE	77
BUS A07 L		B02L1		1-22 *							1				TO HERE	77
BUS A07 L		E01P2		1-23 *	H						2		P		HAND WIRE	77
BUS A07 L		E02P2		1-24 *	H						1		P		HAND WIRE	77
BUS A07 L		E03P2		1-25 *	H						2		P		HAND WIRE	77
BUS A07 L		E04P2		1-26 *							1				TO HERE	77
BUS A07 L		B03L1		1-27 *	H						2		P		HAND WIRE	77
BUS A07 L		B04L1		1-28 *											TO HERE	77
BUS A07 L				1										35-2/8		77
BUS A08 L		B01M2		1-21 *	H						2		P		HAND WIRE	78
BUS A08 L		B02M2		1-22 *							1				TO HERE	78
BUS A08 L		E01N2		1-23 *	H						2		P		HAND WIRE	78
BUS A08 L		E02N2		1-24 *	H						1		P		HAND WIRE	78
BUS A08 L		E03N2		1-25 *	H						2		P		HAND WIRE	78
BUS A08 L		E04N2		1-26 *							1				TO HERE	78
BUS A08 L		B03M2		1-27 *	H						2		P		HAND WIRE	78
BUS A08 L		B04M2		1-28 *											TO HERE	78
BUS A08 L				1										34-6/8		78

OD11-C.FO RUN NAME	HND288.V23(23) 05/24/74										12-MAR-75	8143	PAGE 11			
	A/P	PIN	ORDER	BAY -	G	DRAW	RV	PG	Y	X	Z	REMARKS	LENGTH	EXCEPTIONS	RUN	
		NAME	PIN	ORDER											NUMBER	
BUS A09 L		B01M1		1-21 *	H						2		P		HAND WIRE	79
BUS A09 L		B02M1		1-22 *							1				TO HERE	79
BUS A09 L		E01R1		1-23 *	H						2		P		HAND WIRE	79
BUS A09 L		E02R1		1-24 *	H						1		P		HAND WIRE	79
BUS A09 L		E03R1		1-25 *	H						2		P		HAND WIRE	79
BUS A09 L		E04R1		1-26 *							1				TO HERE	79
BUS A09 L		B03M1		1-27 *	H						2		P		HAND WIRE	79
BUS A09 L		B04M1		1-28 *											TO HERE	79
BUS A09 L				1										35-2/8		79
BUS A10 L		B01N2		1-21 *	H						2		P		HAND WIRE	80
BUS A10 L		B02N2		1-22 *							1				TO HERE	80
BUS A10 L		E01P1		1-23 *	H						2		P		HAND WIRE	80
BUS A10 L		E02P1		1-24 *	H						1		P		HAND WIRE	80
BUS A10 L		E03P1		1-25 *	H						2		P		HAND WIRE	80
BUS A10 L		E04P1		1-26 *							1				TO HERE	80
BUS A10 L		B03N2		1-27 *	H						2		P		HAND WIRE	80
BUS A10 L		B04N2		1-28 *											TO HERE	80
BUS A10 L				1										34-4/8		80
BUS A11 L		B01N1		1-21 *	H						2		P		HAND WIRE	81
BUS A11 L		B02N1		1-22 *							1				TO HERE	81
BUS A11 L		E01L1		1-23 *	H						2		P		HAND WIRE	81
BUS A11 L		E02L1		1-24 *	H						1		P		HAND WIRE	81
BUS A11 L		E03L1		1-25 *	H						2		P		HAND WIRE	81
BUS A11 L		E04L1		1-26 *							1				TO HERE	81
BUS A11 L		B03N1		1-27 *	H						2		P		HAND WIRE	81
BUS A11 L		B04N1		1-28 *											TO HERE	81
BUS A11 L				1										33-6/8		81
BUS A12 L		B01P2		1-21 *	H						2		P		HAND WIRE	82
BUS A12 L		B02P2		1-22 *							1				TO HERE	82
BUS A12 L		E01C1		1-23 *	H						2		P		HAND WIRE	82
BUS A12 L		E02C1		1-24 *	H						1		P		HAND WIRE	82
BUS A12 L		E03C1		1-25 *	H						2		P		HAND WIRE	82
BUS A12 L		E04C1		1-26 *							1				TO HERE	82
BUS A12 L		B03P2		1-27 *	H						2		P		HAND WIRE	82
BUS A12 L		B04P2		1-28 *											TO HERE	82
BUS A12 L				1										32-0/8		82

DD11-C,PO RUN NAME	HND288,V23(23) 05/24/74	A/P	PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW	RV	PG	Y	X	Z	REMARKS	12-MAR-75 LENGTH	0143 EXCEPTIONS	PAGE 14 RUN NUMBER
BUS A13 L			B01P1		1-01 *	H						2		P	HAND WIRE	83
BUS A13 L			B02P1		1-02 *							1			TO HERE	83
BUS A13 L			F01K2		1-03 *	H						2	P		HAND WIRE	83
BUS A13 L			F02K2		1-04 *	H						1	P		HAND WIRE	83
BUS A13 L			F03K2		1-05 *	H						2	P		HAND WIRE	83
BUS A13 L			F04K2		1-06 *							1			TO HERE	83
BUS A13 L			B03P1		1-07 *	H						2	P		HAND WIRE	83
BUS A13 L			B04P1		1-08 *										TO HERE	83
BUS A13 L					1										33-4/8	83
BUS A14 L			B01R2		1-01 *	H						2	P		HAND WIRE	84
BUS A14 L			B02R2		1-02 *							1			TO HERE	84
BUS A14 L			F01K1		1-03 *	H						2	P		HAND WIRE	84
BUS A14 L			F02K1		1-04 *	H						1	P		HAND WIRE	84
BUS A14 L			F03K1		1-05 *	H						2	P		HAND WIRE	84
BUS A14 L			F04K1		1-06 *							1			TO HERE	84
BUS A14 L			B03R2		1-07 *	H						2	P		HAND WIRE	84
BUS A14 L			B04R2		1-08 *										TO HERE	84
BUS A14 L					1										33-0/8	84
BUS A15 L			B01R1		1-01 *	H						2	P		HAND WIRE	85
BUS A15 L			B02R1		1-02 *							1			TO HERE	85
BUS A15 L			F01D2		1-03 *	H						2	P		HAND WIRE	85
BUS A15 L			F02D2		1-04 *	H						1	P		HAND WIRE	85
BUS A15 L			F03D2		1-05 *	H						2	P		HAND WIRE	85
BUS A15 L			F04D2		1-06 *							1			TO HERE	85
BUS A15 L			B03R1		1-07 *	H						2	P		HAND WIRE	85
BUS A15 L			B04R1		1-08 *										TO HERE	85
BUS A15 L					1										32-0/8	85
BUS A16 L			B01S2		1-01 *	H						2	P		HAND WIRE	86
BUS A16 L			B02S2		1-02 *							1			TO HERE	86
BUS A16 L			F01E2		1-03 *	H						2	P		HAND WIRE	86
BUS A16 L			F02E2		1-04 *	H						1	P		HAND WIRE	86
BUS A16 L			F03E2		1-05 *	H						2	P		HAND WIRE	86
BUS A16 L			F04E2		1-06 *							1			TO HERE	86
BUS A16 L			B03S2		1-07 *	H						2	P		HAND WIRE	86
BUS A16 L			B04S2		1-08 *										TO HERE	86
BUS A16 L					1										31-6/8	86

DD11-C,PO RUN NAME	HND288,V23(23) 05/24/74	A/P	PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW	RV	PG	Y	X	Z	REMARKS	12-MAR-75 LENGTH	0143 EXCEPTIONS	PAGE 14 RUN NUMBER
BUS A17 L			B01S1		1-01 *	H						2	P		HAND WIRE	87
BUS A17 L			B02S1		1-02 *							1			TO HERE	87
BUS A17 L			F01D1		1-03 *	H						2	P		HAND WIRE	87
BUS A17 L			F02D1		1-04 *	H						1	P		HAND WIRE	87
BUS A17 L			F03D1		1-05 *	H						2	P		HAND WIRE	87
BUS A17 L			F04D1		1-06 *							1			TO HERE	87
BUS A17 L			B03S1		1-07 *	H						2	P		HAND WIRE	87
BUS A17 L			B04S1		1-08 *										TO HERE	87
BUS A17 L					1										31-6/8	87
BUS D00 L			A01C1		1-01 *	H						2	P		HAND WIRE	88
BUS D00 L			A02C1		1-02 *							1			TO HERE	88
BUS D00 L			C01S2		1-03 *	H						2	P		HAND WIRE	88
BUS D00 L			C02S2		1-04 *	H						1	P		HAND WIRE	88
BUS D00 L			C03S2		1-05 *	H						2	P		HAND WIRE	88
BUS D00 L			C04S2		1-06 *							1			TO HERE	88
BUS D00 L			A03C1		1-07 *	H						2	P		HAND WIRE	88
BUS D00 L			A04C1		1-08 *										TO HERE	88
BUS D00 L					1										32-4/8	88
BUS D01 L			A01D2		1-01 *	H						2	P		HAND WIRE	89
BUS D01 L			A02D2		1-02 *							1			TO HERE	89
BUS D01 L			C01R2		1-03 *	H						2	P		HAND WIRE	89
BUS D01 L			C02R2		1-04 *	H						1	P		HAND WIRE	89
BUS D01 L			C03R2		1-05 *	H						2	P		HAND WIRE	89
BUS D01 L			C04R2		1-06 *							1			TO HERE	89
BUS D01 L			A03D2		1-07 *	H						2	P		HAND WIRE	89
BUS D01 L			A04D2		1-08 *										TO HERE	89
BUS D01 L					1										31-6/8	89
BUS D02 L			F01E2		1-01 *	H						2	P		H TO WHERE	90
BUS D02 L			F02E2		1-02 *	H						1	P		H TO WHERE	90
BUS D02 L			F03E2		1-03 *	H						2	P		H TO WHERE	90
BUS D02 L			F04E2		1-04 *										TO HERE	90
BUS D02 L					1										8-2/8	90
BUS D02 L			A01D1		1-01 *	H						2	P		HAND WIRE	91
BUS D02 L			A02D1		1-02 *							1			TO HERE	91
BUS D02 L			C01U2		1-03 *	H						2	P		HAND WIRE	91
BUS D02 L			C02U2		1-04 *	H						1	P		HAND WIRE	91
BUS D02 L			C03U2		1-05 *	H						2	P		HAND WIRE	91
BUS D02 L			C04U2		1-06 *							1			TO HERE	91
BUS D02 L			A03D1		1-07 *	H						2	P		HAND WIRE	91
BUS D02 L			A04D1		1-08 *										TO HERE	91
BUS D02 L					1										32-6/8	91

DD11-C.P0		HND288.V23(23) 05/24/74						12-MAR-75	0143	PAGE 14			
RUN	NAME	A/P	PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW RV PG Y	X	Z	REMARKS	LENGTH	EXCEPTIONS	RUN NUMBER
BUS D02	L JMP		C02U2		1-01				1				92
BUS D02	L JMP		F02E2		1-02								92
BUS D02	L JMP				1						8-6/8		92
BUS D03	L		F01L1		1-01	H			2	P		H TO WHERE	93
BUS D03	L		F02L1		1-02	H			1	P		H TO WHERE	93
BUS D03	L		F03L1		1-03	H			2	P		H TO WHERE	93
BUS D03	L		F04L1		1-04							TO HERE	93
BUS D03	L				1						8-2/8		93
BUS D03	L		A01E2		1-01 *	H			2	P		HAND WIRE	94
BUS D03	L		A02E2		1-02 *				1			TO HERE	94
BUS D03	L		C01T2		1-03 *	H			2	P		HAND WIRE	94
BUS D03	L		C02T2		1-04 *	H			1	P		HAND WIRE	94
BUS D03	L		C03T2		1-05 *	H			2	P		HAND WIRE	94
BUS D03	L		C04T2		1-06 *				1			TO HERE	94
BUS D03	L		A03E2		1-07 *	H			2	P		HAND WIRE	94
BUS D03	L		A04E2		1-08 *							TO HERE	94
BUS D03	L				1						32-2/8		94
BUS D03	L JMP		C02T2		1-01				1				95
BUS D03	L JMP		F02L1		1-02								95
BUS D03	L JMP				1						9-6/8		95
BUS D04	L		F01N2		1-01	H			2	P		H TO WHERE	96
BUS D04	L		F02N2		1-02	H			1	P		H TO WHERE	96
BUS D04	L		F03N2		1-03	H			2	P		H TO WHERE	96
BUS D04	L		F04N2		1-04							TO HERE	96
BUS D04	L				1						8-2/8		96
BUS D04	L		A01E1		1-01 *	H			2	P		HAND WIRE	97
BUS D04	L		A02E1		1-02 *				1			TO HERE	97
BUS D04	L		C01N2		1-03 *	H			2	P		HAND WIRE	97
BUS D04	L		C02N2		1-04 *	H			1	P		HAND WIRE	97
BUS D04	L		C03N2		1-05 *	H			2	P		HAND WIRE	97
BUS D04	L		C04N2		1-06 *				1			TO HERE	97
BUS D04	L		A03E1		1-07 *	H			2	P		HAND WIRE	97
BUS D04	L		A04E1		1-08 *							TO HERE	97
BUS D04	L				1						31-0/8		97
BUS D04	L JMP		C02N2		1-01				1				98
BUS D04	L JMP		F02N2		1-02								98
BUS D04	L JMP				1						18-2/8		98

DD11-C.P0		HND288.V23(23) 05/24/74						12-MAR-75	0143	PAGE 15			
RUN	NAME	A/P	PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW RV PG Y	X	Z	REMARKS	LENGTH	EXCEPTIONS	RUN NUMBER
BUS D05	L		F01F1		1-01	H			2	P		H TO WHERE	99
BUS D05	L		F02F1		1-02	H			1	P		H TO WHERE	99
BUS D05	L		F03F1		1-03	H			2	P		H TO WHERE	99
BUS D05	L		F04F1		1-04							TO HERE	99
BUS D05	L				1						8-2/8		99
BUS D05	L		A01F2		1-01 *	H			2	P		HAND WIRE	100
BUS D05	L		A02F2		1-02 *				1			TO HERE	100
BUS D05	L		C01P2		1-03 *	H			2	P		HAND WIRE	100
BUS D05	L		C02P2		1-04 *	H			1	P		HAND WIRE	100
BUS D05	L		C03P2		1-05 *	H			2	P		HAND WIRE	100
BUS D05	L		C04P2		1-06 *				1			TO HERE	100
BUS D05	L		A03F2		1-07 *	H			2	P		HAND WIRE	100
BUS D05	L		A04F2		1-08 *							TO HERE	100
BUS D05	L				1						31-2/8		100
BUS D05	L JMP		C02P2		1-01				1				101
BUS D05	L JMP		F02F1		1-02								101
BUS D05	L JMP				1						9-4/8		101
BUS D06	L		F01F2		1-01	H			2	P		H TO WHERE	102
BUS D06	L		F02F2		1-02	H			1	P		H TO WHERE	102
BUS D06	L		F03F2		1-03	H			2	P		H TO WHERE	102
BUS D06	L		F04F2		1-04							TO HERE	102
BUS D06	L				1						8-2/8		102
BUS D06	L		A01F1		1-01 *	H			2	P		HAND WIRE	103
BUS D06	L		A02F1		1-02 *				1			TO HERE	103
BUS D06	L		C01V2		1-03 *	H			2	P		HAND WIRE	103
BUS D06	L		C02V2		1-04 *	H			1	P		HAND WIRE	103
BUS D06	L		C03V2		1-05 *	H			2	P		HAND WIRE	103
BUS D06	L		C04V2		1-06 *				1			TO HERE	103
BUS D06	L		A03F1		1-07 *	H			2	P		HAND WIRE	103
BUS D06	L		A04F1		1-08 *							TO HERE	103
BUS D06	L				1						32-4/8		103
BUS D06	L JMP		C02V2		1-01				1				104
BUS D06	L JMP		F02F2		1-02								104
BUS D06	L JMP				1						8-6/8		104
BUS D07	L		F01H1		1-01	H			2	P		H TO WHERE	105
BUS D07	L		F02H1		1-02	H			1	P		H TO WHERE	105
BUS D07	L		F03H1		1-03	H			2	P		H TO WHERE	105
BUS D07	L		F04H1		1-04							TO HERE	105
BUS D07	L				1						8-2/8		105

DD11-C,P0 RUN NAME	HND200,V23(23) 05/24/74 A/P PIN ORDER BAY - Q DRAW RV PG Y X Z REMARKS	12-MAR-75 LENGTH	8143 EXCEPTIONS	PAGE 16 RUN NUMBER
BUS D07 L	A01H2 1-01 * H		HAND WIRE	106
BUS D07 L	A02H2 1-02 *		TO HERE	106
BUS D07 L	C01M2 1-03 * H		HAND WIRE	106
BUS D07 L	C02M2 1-04 * H		HAND WIRE	106
BUS D07 L	C03M2 1-05 * H		HAND WIRE	106
BUS D07 L	C04M2 1-06 *		TO HERE	106
BUS D07 L	A03H2 1-07 * H		HAND WIRE	106
BUS D07 L	A04H2 1-08 *		TO HERE	106
BUS D07 L	1	30-2/8		106
BUS D07 L JMP	C02M2 1-01			107
BUS D07 L JMP	F02H1 1-02			107
BUS D07 L JMP	1	10-0/8		107
BUS D08 L	F01K1 1-01 H		H TO WHERE	108
BUS D08 L	F02K1 1-02 H		H TO WHERE	108
BUS D08 L	F03K1 1-03 H		H TO WHERE	108
BUS D08 L	F04K1 1-04		TO HERE	108
BUS D08 L	1	8-2/8		108
BUS D08 L	A01H1 1-01 * H		HAND WIRE	109
BUS D08 L	A02H1 1-02 *		TO HERE	109
BUS D08 L	C01L2 1-03 * H		HAND WIRE	109
BUS D08 L	C02L2 1-04 * H		HAND WIRE	109
BUS D08 L	C03L2 1-05 * H		HAND WIRE	109
BUS D08 L	C04L2 1-06 *		TO HERE	109
BUS D08 L	A03H1 1-07 * H		HAND WIRE	109
BUS D08 L	A04H1 1-08 *		TO HERE	109
BUS D08 L	1	30-0/8		109
BUS D08 L JMP	C02L2 1-01			110
BUS D08 L JMP	F02K1 1-02			110
BUS D08 L JMP	1	10-4/8		110
BUS D09 L	A01J2 1-01 * H		HAND WIRE	111
BUS D09 L	A02J2 1-02 *		TO HERE	111
BUS D09 L	C01K2 1-03 * H		HAND WIRE	111
BUS D09 L	C02K2 1-04 * H		HAND WIRE	111
BUS D09 L	C03K2 1-05 * H		HAND WIRE	111
BUS D09 L	C04K2 1-06 *		TO HERE	111
BUS D09 L	A03J2 1-07 * H		HAND WIRE	111
BUS D09 L	A04J2 1-08 *		TO HERE	111
BUS D09 L	1	29-6/8		111

DD11-C,P0 RUN NAME	HND200,V23(23) 05/24/74 A/P PIN ORDER BAY - Q DRAW RV PG Y X Z REMARKS	12-MAR-75 LENGTH	8143 EXCEPTIONS	PAGE 17 RUN NUMBER
BUS D10 L	A01J1 1-01 * H		HAND WIRE	112
BUS D10 L	A02J1 1-02 *		TO HERE	112
BUS D10 L	C01J2 1-03 * H		HAND WIRE	112
BUS D10 L	C02J2 1-04 * H		HAND WIRE	112
BUS D10 L	C03J2 1-05 * H		HAND WIRE	112
BUS D10 L	C04J2 1-06 *		TO HERE	112
BUS D10 L	A03J1 1-07 * H		HAND WIRE	112
BUS D10 L	A04J1 1-08 *		TO HERE	112
BUS D10 L	1	29-4/8		112
BUS D11 L	A01K2 1-01 * H		HAND WIRE	113
BUS D11 L	A02K2 1-02 *		TO HERE	113
BUS D11 L	C01H1 1-03 * H		HAND WIRE	113
BUS D11 L	C02H1 1-04 * H		HAND WIRE	113
BUS D11 L	C03H1 1-05 * H		HAND WIRE	113
BUS D11 L	C04H1 1-06 *		TO HERE	113
BUS D11 L	A03K2 1-07 * H		HAND WIRE	113
BUS D11 L	A04K2 1-08 *		TO HERE	113
BUS D11 L	1	29-0/8		113
BUS D12 L	A01K1 1-01 * H		HAND WIRE	114
BUS D12 L	A02K1 1-02 *		TO HERE	114
BUS D12 L	C01H2 1-03 * H		HAND WIRE	114
BUS D12 L	C02H2 1-04 * H		HAND WIRE	114
BUS D12 L	C03H2 1-05 * H		HAND WIRE	114
BUS D12 L	C04H2 1-06 *		TO HERE	114
BUS D12 L	A03K1 1-07 * H		HAND WIRE	114
BUS D12 L	A04K1 1-08 *		TO HERE	114
BUS D12 L	1	29-0/8		114
BUS D13 L	A01L2 1-01 * H		HAND WIRE	115
BUS D13 L	A02L2 1-02 *		TO HERE	115
BUS D13 L	C01F2 1-03 * H		HAND WIRE	115
BUS D13 L	C02F2 1-04 * H		HAND WIRE	115
BUS D13 L	C03F2 1-05 * H		HAND WIRE	115
BUS D13 L	C04F2 1-06 *		TO HERE	115
BUS D13 L	A03L2 1-07 * H		HAND WIRE	115
BUS D13 L	A04L2 1-08 *		TO HERE	115
BUS D13 L	1	20-2/8		115

DD11-C.P0 RUN NAME	HND288.V23(23) 05/24/74				Q	DRAW	RV	PG	Y	X	Z	REMARKS	12-MAR-75 LENGTH	8143 EXCEPTIONS	PAGE 18 RUN NUMBER
A/P	PIN NAME	ORDER PIN	RAY - ORDER												
BUS D14 L		A01L1	1-01 *	H							2		P		116
BUS D14 L		A02L1	1-02 *								1			HAND WIRE TO HERE	116
BUS D14 L		C01E2	1-03 *	H							2		P		116
BUS D14 L		C02E2	1-04 *	H							1		P		116
BUS D14 L		C03E2	1-05 *	H							2		P		116
BUS D14 L		C04E2	1-06 *								1			HAND WIRE TO HERE	116
BUS D14 L		A03L1	1-07 *	H							2		P		116
BUS D14 L		A04L1	1-08 *											HAND WIRE TO HERE	116
BUS D14 L			1											28-2/8	116
BUS D15 L		A01M2	1-01 *	H							2		P		117
BUS D15 L		A02M2	1-02 *								1			HAND WIRE TO HERE	117
BUS D15 L		C01D2	1-03 *								2				117
BUS D15 L		C02D2	1-04 *								1				117
BUS D15 L		C03D2	1-05 *								2				117
BUS D15 L		C04D2	1-06 *								1				117
BUS D15 L		A03M2	1-07 *	H							2		P		117
BUS D15 L		A04M2	1-08 *											HAND WIRE TO HERE	117
BUS D15 L			1											27-6/8	117
C 9G IN		D03U2	1-01								1				118
C 9G IN		F03B1	1-02												118
C 9G IN			1											5-6/8	118
C 8G OUT		D03V2	1-01								1				119
C 8G OUT		F03A1	1-02												119
C 8G OUT			1											5-6/8	119
C BR OUT		D03J2	1-01								1				120
C BR OUT		F03P1	1-02								2				120
C BR OUT		F03U2	1-03												120
C BR OUT			1											11-4/8	120
C IN		D03H1	1-01								1				121
C IN		E03M1	1-02												121
C IN			1											5-2/8	121
C INT A		D03N1	1-01								1				122
C INT A		F03U1	1-02												122
C INT A			1											8-2/8	122
C INT B		C03J1	1-01								1				123
C INT B		F03K2	1-02												123
C INT B			1											10-4/8	123

DD11-C.P0 RUN NAME	HND288.V23(23) 05/24/74				Q	DRAW	RV	PG	Y	X	Z	REMARKS	12-MAR-75 LENGTH	8143 EXCEPTIONS	PAGE 19 RUN NUMBER
A/P	PIN NAME	ORDER PIN	RAY - ORDER												
C INT ENB A		D03M1	1-01								1				124
C INT ENB A		F03V1	1-02												124
C INT ENB A			1											8-4/8	124
C INT ENB B		C03L1	1-01								1				125
C INT ENB B		F03H2	1-02												125
C INT ENB B			1											10-0/8	125
C OUT HIGH		D03K1	1-01								1				126
C OUT HIGH		E03M2	1-02												126
C OUT HIGH			1											5-2/8	126
C OUT LOW		D03D1	1-01								1				127
C OUT LOW		E03N1	1-02												127
C OUT LOW			1											5-6/8	127
C SEL 0		D03F1	1-01								1				128
C SEL 0		F03S2	1-02												128
C SEL 0			1											6-3/8	128
C SEL 4		D03E1	1-01								1				129
C SEL 4		E03R2	1-02												129
C SEL 4			1											6-2/8	129
C SEL 6		D03C1	1-01								1				130
C SEL 6		E03S1	1-02												130
C SEL 6			1											6-2/8	130
C SER 2		D03J1	1-01								1				131
C SER 2		E03T2	1-02												131
C SER 2			1											6-0/8	131
C SSVN IN H		D03V1	1-01								1				132
C SSVN IN H		E03H1	1-02												132
C SSVN IN H			1											2-6/8	132
C0 L		F01U2	1-01 *								2				133
C0 L		B02U2	1-02 *								1				133
C0 L		E01J2	1-03 *	H							2		P		133
C0 L		E02J2	1-04 *	H							1		P		133
C0 L		E03J2	1-05 *	H							2		P		133
C0 L		E04J2	1-06 *								1			HAND WIRE TO HERE	133
C0 L		F03U2	1-07 *								2				133
C0 L		R04U2	1-08 *												133
C0 L			1											32-2/8	133

DD11-C,P0 RUN NAME	HND200.V23(23) 05/24/74				Q	DRAW	RV	PG	Y	X	Z	REMARKS	12-MAR-75	8143	PAGE 22
	A/P	PIN	ORDER	RAY - ORDER									LENGTH	EXCEPTIONS	NUM NUMBER
F0142	F01M2		1-01							1					154
F0142	F01S1		1-02										3-0/8		154
F0142			1												154
F01P2	F01P2		1-01							1					155
F01P2	F01S2		1-02										2-4/8		155
F01P2			1												155
F02D2	F02D2		1-01							2					156
F02D2	F02R2		1-02							1					156
F02D2	F02N1		1-03										6-2/8		156
F02D2			1												156
F02E1	F02F1		1-01							1					157
F02E1	F02V2		1-02										4-2/8		157
F02E1			1												157
F02L2	F02L2		1-01							1					158
F02L2	F02R1		1-02										3-0/8		158
F02L2			1												158
F0242	F02M2		1-01							1					159
F0242	F02S1		1-02										3-0/8		159
F0242			1												159
F02P2	F02P2		1-01							1					160
F02P2	F02S2		1-02										2-4/8		160
F02P2			1												160
F03D2	F03D2		1-01							2					161
F03D2	F03R2		1-02							1					161
F03D2	F03N1		1-03										6-2/8		161
F03D2			1												161
F03E1	F03E1		1-01							1					162
F03E1	F03V2		1-02										4-2/8		162
F03E1			1												162
F03L2	F03L2		1-01							1					163
F03L2	F03R1		1-02										3-0/8		163
F03L2			1												163
F0342	F03M2		1-01							1					164
F0342	F03S1		1-02										3-0/8		164
F0342			1												164

DD11-C,P0 RUN NAME	HND240.V23(23) 05/24/74				Q	DRAW	RV	PG	Y	X	Z	REMARKS	12-MAR-75	8143	PAGE 23
	A/P	PIN	ORDER	RAY - ORDER									LENGTH	EXCEPTIONS	NUM NUMBER
F03P2	F03P2		1-01								1				165
F03P2	F03S2		1-02										2-4/8		165
F03P2			1												165
F04D2	F04D2		1-01							2					166
F04D2	F04R2		1-02							1					166
F04D2	F04N1		1-03										6-2/8		166
F04D2			1												166
F04E1	F04E1		1-01							1					167
F04E1	F04V2		1-02										4-2/8		167
F04E1			1												167
F04L2	F04L2		1-01							1					168
F04L2	F04R1		1-02										3-0/8		168
F04L2			1												168
F0442	F04M2		1-01							1					169
F0442	F04S1		1-02										3-0/8		169
F0442			1												169
F04P2	F04P2		1-01							1					170
F04P2	F04S2		1-02										2-4/8		170
F04P2			1												170
GND (01)	AW1C2		1-01	H							2	P	H TO WHERE		171
GND (01)	AW2C2		1-02	H							1	P	H TO WHERE		171
GND (01)	AW3C2		1-03	H							2	P	H TO WHERE		171
GND (01)	AW4C2		1-04	H							1	P	H TO WHERE		171
GND (01)	AW4T1		1-05	H							2	P	H TO WHERE		171
GND (01)	AW3T1		1-06	H							1	P	H TO WHERE		171
GND (01)	AW2T1		1-07	H							2	P	H TO WHERE		171
GND (01)	AW1T1		1-08										TO HERE		171
GND (01)			1										20-4/8		171
GND (02)	BW1C2		1-01	H							2	P	H TO WHERE		172
GND (02)	BW2C2		1-02	H							1	P	H TO WHERE		172
GND (02)	BW3C2		1-03	H							2	P	H TO WHERE		172
GND (02)	BW4C2		1-04	H							1	P	H TO WHERE		172
GND (02)	BW4T1		1-05	H							2	P	H TO WHERE		172
GND (02)	BW3T1		1-06	H							1	P	H TO WHERE		172
GND (02)	BW2T1		1-07	H							2	P	H TO WHERE		172
GND (02)	BW1T1		1-08										TO HERE		172
GND (02)			1										20-4/8		172

DD11-C,P0 RUN NAME	HND288.V23(23) 05/24/74				Q	DRAW RV PG Y	X	Z	REMARKS	12-MAR-75 LENGTH	0143 EXCEPTIONS	PAGE 24 RUN NUMBER
A/P	PIN NAME	ORDER PIN	BAY - ORDER									
GND (03)	C01C2		1-01	H				2		P	H TO WHERE	173
GND (03)	C02C2		1-02	H				1		P	H TO WHERE	173
GND (03)	C03C2		1-03	H				2		P	H TO WHERE	173
GND (03)	C04C2		1-04	H				1		P	H TO WHERE	173
GND (03)	C04T1		1-05	H				2		P	H TO WHERE	173
GND (03)	C03T1		1-06	H				1		P	H TO WHERE	173
GND (03)	C02T1		1-07	H				2		P	H TO WHERE	173
GND (03)	C01T1		1-08								TO HERE	173
GND (03)			1						20-4/8			173
GND (04)	D01C2		1-01	H				2		P	H TO WHERE	174
GND (04)	D02C2		1-02	H				1		P	H TO WHERE	174
GND (04)	D03C2		1-03	H				2		P	H TO WHERE	174
GND (04)	D04C2		1-04	H				1		P	H TO WHERE	174
GND (04)	D04T1		1-05	H				2		P	H TO WHERE	174
GND (04)	D03T1		1-06	H				1		P	H TO WHERE	174
GND (04)	D02T1		1-07	H				2		P	H TO WHERE	174
GND (04)	D01T1		1-08								TO HERE	174
GND (04)			1						20-4/8			174
GND (05)	E01C2		1-01	H				2		P	H TO WHERE	175
GND (05)	E02C2		1-02	H				1		P	H TO WHERE	175
GND (05)	E03C2		1-03	H				2		P	H TO WHERE	175
GND (05)	E04C2		1-04	H				1		P	H TO WHERE	175
GND (05)	E04T1		1-05	H				2		P	H TO WHERE	175
GND (05)	E03T1		1-06	H				1		P	H TO WHERE	175
GND (05)	E02T1		1-07	H				2		P	H TO WHERE	175
GND (05)	E01T1		1-08								TO HERE	175
GND (05)			1						20-4/8			175
GND (06)	F01C2		1-01	H				2		P	H TO WHERE	176
GND (06)	F02C2		1-02	H				1		P	H TO WHERE	176
GND (06)	F03C2		1-03	H				2		P	H TO WHERE	176
GND (06)	F04C2		1-04	H				1		P	H TO WHERE	176
GND (06)	F04T1		1-05	H				2		P	H TO WHERE	176
GND (06)	F03T1		1-06	H				1		P	H TO WHERE	176
GND (06)	F02T1		1-07	H				2		P	H TO WHERE	176
GND (06)	F01T1		1-08								TO HERE	176
GND (06)			1						20-4/8			176
GND (07)	E01A1		1-01	H				2		P	H TO WHERE	177
GND (07)	E02A1		1-02	H				1		P	H TO WHERE	177
GND (07)	E03A1		1-03	H				2		P	H TO WHERE	177
GND (07)	E04A1		1-04								TO HERE	177
GND (07)			1						8-2/8			177

DD11-C,P0 RUN NAME	HND288.V23(23) 05/24/74				Q	DRAW RV PG Y	X	Z	REMARKS	12-MAR-75 LENGTH	0143 EXCEPTIONS	PAGE 25 RUN NUMBER
A/P	PIN NAME	ORDER PIN	BAY - ORDER									
GND (08)	A01B2		1-01	H				1		P	H TO WHERE	178
GND (08)	A01V2		1-02	H				2		P	H TO WHERE	178
GND (08)	B01R2		1-03	H				1		P	H TO WHERE	178
GND (08)	B01V2		1-04								TO HERE	178
GND (08)			1						11-4/8			178
GND (09)	A04B2		1-01	H				1		P	H TO WHERE	179
GND (09)	A04V2		1-02	H				2		P	H TO WHERE	179
GND (09)	B04F2		1-03	H				1		P	H TO WHERE	179
GND (09)	B04V2		1-04								TO HERE	179
GND (09)			1						11-4/8			179
GND (10)	A01N1		1-01	H				1		P	H TO WHERE	180
GND (10)	A01P1		1-02	H				2		P	H TO WHERE	180
GND (10)	A01R1		1-03	H				1		P	H TO WHERE	180
GND (10)	A01S1		1-04	H				2		P	H TO WHERE	180
GND (10)	A04S1		1-05	H				1		P	H TO WHERE	180
GND (10)	A04P1		1-06	H				2		P	H TO WHERE	180
GND (10)	A04R1		1-07	H				1		P	H TO WHERE	180
GND (10)	A04N1		1-08								TO HERE	180
GND (10)			1						18-5/8			180
GND (11)	B01D1		1-01	H				1		P	H TO WHERE	181
GND (11)	B01E1		1-02	H				2		P	H TO WHERE	181
GND (11)	B04F1		1-03	H				1		P	H TO WHERE	181
GND (11)	B04D1		1-04								TO HERE	181
GND (11)			1						8-6/8			181
GND (12)	F01J2		1-01	H				2		P	H TO WHERE	182
GND (12)	F02J2		1-02	H				1		P	H TO WHERE	182
GND (12)	F03J2		1-03	H				2		P	H TO WHERE	182
GND (12)	F04J2		1-04								TO HERE	182
GND (12)			1						8-2/8			182
HALT GRANT	C01R1		1-01	H				2		P	H TO WHERE	183
HALT GRANT	C02R1		1-02	H				1		P	H TO WHERE	183
HALT GRANT	C03R1		1-03	H				2		P	H TO WHERE	183
HALT GRANT	C04R1		1-04								TO HERE	183
HALT GRANT			1						8-2/8			183
HALT REQ	C01P1		1-01	H				2		P	H TO WHERE	184
HALT REQ	C02P1		1-02	H				1		P	H TO WHERE	184
HALT REQ	C03P1		1-03	H				2		P	H TO WHERE	184
HALT REQ	C04P1		1-04								TO HERE	184
HALT REQ			1						8-2/8			184

DD11-C.PP RUN NAME	HND200.V23(23) 05/24/74 A/P PIN ORDER 3AY - NAME PIN ORDER	Q	DRAW	RV	PG	Y	X	Z	REMARKS	12-MAR-75 LENGTH	0143 EXCEPTIONS	PAGE 26 RUN NUMBER
INIT L	A01A1	1-01 *	H					2		P		185
INIT L	A02A1	1-02 *						1			HAND WIRE TO HERE	185
INIT L	D01L1	1-03 *	H					2		P		185
INIT L	D02L1	1-04 *	H					1		P		185
INIT L	D03L1	1-05 *	H					2		P		185
INIT L	D04L1	1-06 *						1			HAND WIRE TO HERE	185
INIT L	A03A1	1-07 *	H					2		P		185
INIT L	A04A1	1-08 *									HAND WIRE TO HERE	185
INIT L		1									37-2/8	185
INT Ssyn	B02E1	1-01	H					1		P	H TO WHERE	186
INT Ssyn	B03E1	1-02									TO HERE	186
INT Ssyn		1									2-6/8	186
INTR L	A01B1	1-01 *	H					2		P		187
INTR L	A02B1	1-02 *						1			HAND WIRE TO HERE	187
INTR L	F01M1	1-03 *	H					2		P		187
INTR L	F02M1	1-04 *	H					1		P		187
INTR L	F03M1	1-05 *	H					2		P		187
INTR L	F04M1	1-06 *						1			HAND WIRE TO HERE	187
INTR L	A03B1	1-07 *	H					2		P		187
INTR L	A04B1	1-08 *									HAND WIRE TO HERE	187
INTR L		1									47-6/8	187
LTC	C01D1	1-01	H					2		P	H TO WHERE	188
LTC	C02D1	1-02	H					1		P	H TO WHERE	188
LTC	C03D1	1-03	H					2		P	H TO WHERE	188
LTC	C04D1	1-04									TO HERE	188
LTC		1									8-2/8	188
MSYN L	B01V1	1-01 *						2				189
MSYN L	B02V1	1-02 *						1				189
MSYN L	F01E1	1-03 *	H					2		P		189
MSYN L	F02E1	1-04 *	H					1		P	HAND WIRE	189
MSYN L	F03E1	1-05 *	H					2		P	HAND WIRE	189
MSYN L	E04F1	1-06 *						1			TO HERE	189
MSYN L	B03V1	1-07 *						2				189
MSYN L	B04V1	1-08 *										189
MSYN L		1									31-2/8	189

DD11-C.PP RUN NAME	FNI-200.V23(23) 05/24/74 A/P PIN ORDER 3AY - NAME PIN ORDER	Q	DRAW	RV	PG	Y	X	Z	REMARKS	12-MAR-75 LENGTH	0143 EXCEPTIONS	PAGE 27 RUN NUMBER
NPG L	A01U1	1-01 *						2				190
NPG L	C01A1	1-02 *						1				190
NPG L	C01P1	1-03 *	H					2		P		190
NPG L	C02A1	1-04 *						1			HAND WIRE TO HERE	190
NPG L	C02E1	1-05 *	H					2		P		190
NPG L	C03A1	1-06 *						1			HAND WIRE TO HERE	190
NPG L	C03B1	1-07 *	H					2		P		190
NPG L	C04A1	1-08 *						1			HAND WIRE TO HERE	190
NPG L	C04B1	1-09 *						2				190
NPG L	A04U1	1-10 *										190
NPG L		1									29-4/8	190
NPR L	A01S2	1-01 *						2				191
NPR L	A02S2	1-02 *						1				191
NPR L	F01J1	1-03 *	H					2		P		191
NPR L	F02J1	1-04 *	H					1		P	HAND WIRE	191
NPR L	F03J1	1-05 *	H					2		P	HAND WIRE	191
NPR L	F04J1	1-06 *						1			TO HERE	191
NPR L	A03S2	1-07 *	H					2		P	HAND WIRE	191
NPR L	A04S2	1-08 *									TO HERE	191
NPR L		1									43-5/8	191
PA L	A01M1	1-01 *	H					2		P		192
PA L	A02M1	1-02 *						1			HAND WIRE TO HERE	192
PA L	C01C1	1-03 *	H					2		P		192
PA L	C02C1	1-04 *						1			HAND WIRE TO HERE	192
PA L	C03C1	1-05 *						2				192
PA L	C04C1	1-06 *						1				192
PA L	A03M1	1-07 *						2				192
PA L	A04M1	1-08 *										192
PA L		1									27-2/8	192
PAR DET	B02E2	1-01	H					1		P	H TO WHERE	193
PAR DET	B03E2	1-02									TO HERE	193
PAR DET		1									2-6/8	193
PAR PD	A02P1	1-01	H					1		P	H TO WHERE	194
PAR PD	A03P1	1-02									TO HERE	194
PAR PD		1									2-6/8	194
PAR P1	A02N1	1-01	H					1		P	H TO WHERE	195
PAR P1	A03N1	1-02									TO HERE	195
PAR P1		1									2-6/8	195

DD11-C.PM
RUN NAME

HND200.V23(23) 05/24/74
A/P PIN ORDER RAY -
NAME PIN ORDER

Q DRAW RV PG Y X Z REMARKS

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LENGTH

8:43
EXCEPTIONS

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RUN
NUMBER

PR L		A01N2		1-01 *	H						2	P		HAND WIRE	196
PR L		A02N2		1-02 *							1			TO HERE	196
PR L		C01S1		1-03 *	H						2	P		HAND WIRE	196
PR L		C02S1		1-04 *	H						1	P		HAND WIRE	196
PR L		C03S1		1-05 *	H						2	P		HAND WIRE	196
PR L		C04S1		1-06 *							1			TO HERE	196
PR L		A03N2		1-07 *	H						2	P		HAND WIRE	196
PR L		A04N2		1-08 *										TO HERE	196
PR L				1											196
													30-0/8		
RESERVE BUS		R02A1		1-01	H						1	P		H TO WHERE	197
RESERVE BUS		R03A1		1-02										TO HERE	197
RESERVE BUS				1											197
													2-6/8		
SACK L		A01R2		1-01 *	H						2	P		HAND WIRE	198
SACK L		A02R2		1-02 *							1			TO HERE	198
SACK L		F01T2		1-03 *	H						2	P		HAND WIRE	198
SACK L		F02T2		1-04 *	H						1	P		HAND WIRE	198
SACK L		F03T2		1-05 *	H						2	P		HAND WIRE	198
SACK L		F04T2		1-06 *							1			TO HERE	198
SACK L		A03R2		1-07 *	H						2	P		HAND WIRE	198
SACK L		A04R2		1-08 *										TO HERE	198
SACK L				1											198
													45-6/8		
SSYN L		F01C1		1-01 *	H						2	P		HAND WIRE	199
SSYN L		F02C1		1-02 *	H						1	P		HAND WIRE	199
SSYN L		F03C1		1-03 *	H						2	P		HAND WIRE	199
SSYN L		F04C1		1-04 *										TO HERE	199
SSYN L				1											199
													8-2/8		
SSYN L		B01U1		1-01 *	H						2	P		HAND WIRE	200
SSYN L		B02U1		1-02 *							1			TO HERE	200
SSYN L		B01J1		1-03 *	H						2	P		HAND WIRE	200
SSYN L		B02J1		1-04 *	H						1	P		HAND WIRE	200
SSYN L		B03J1		1-05 *	H						2	P		HAND WIRE	200
SSYN L		B04J1		1-06 *							1			TO HERE	200
SSYN L		B03U1		1-07 *	H						2	P		HAND WIRE	200
SSYN L		B04U1		1-08 *										TO HERE	200
SSYN L				1											200
													32-2/8		
SSYN L JMP		B02J1		1-01							1				201
SSYN L JMP		B02C1		1-02											201
SSYN L JMP				1											201
													4-4/8		